EASYSET

SYSTEM

METAL STORE FRONTS



PITTSBURGH PLATE GLASS CO.

Catalog H

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From the collection of:

Jim Draeger

PITTSBURGH PLATE GLASS CO.

GLASS and PAINT

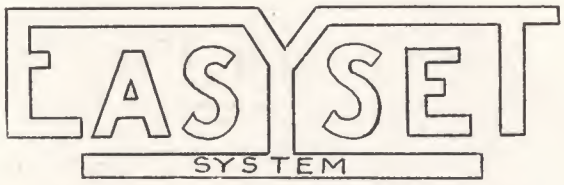
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THERE IS A "PITTSBURGH" WAREHOUSE IN YOUR VICINITY



OF GLASS SETTING

The Modern Up-to-date Store Front

Locks the Glass

Strong—Durable—Attractive

A Boon to the Architect
An Asset to the Merchant

Distributed by

Pittsburgh Plate Glass Co.



DEARDORF BUILDING, KANSAS CITY, MO.

Store fronts completely equipped with EASYSET system of glass setting.

Introduction

WE invite a close inspection of the following pages. The many improvements shown are the result of several years' practical experience. "EASYSET" is perfected to a high degree. It is durable, exceedingly attractive, inexpensive, and, as the name implies, is readily and easily installed. It does not require skilled men or special framing. Its simplicity, strength and beauty appeal to all who are interested in a modern all metal store front.

While the "EASYSET" outwardly has much the same appearance as one or two other Store Front Constructions, a brief examination will convince one that it is built on entirely different principles. It does not depend wholly for strength upon the outer covering. The inner reinforcement provides much additional strength. Not only this, but it draws the outer covering up to the glass under tension, thus providing a uniform and permanent bearing.

This principle is employed in the Corner and Division Bar, also the Metal Sash. We invite your particular attention to the metal sash (see pages 10, 11, 12 and 14). While the glass is set from the outside, it is locked on the inside; only by loosening the tension screw "E" can the glass be removed. This protects valuable goods in the show window, as even if the outer covering is removed, the reinforcement "H" still holds the glass securely in place.

The architect always has the welfare of his client in mind. Kindly permit us, therefore, to mention one or two other features which are of benefit to the property owner where the entire construction is used.

It does away entirely with the necessity of periodically repairing or renovating the store front, thus in a short period of years more than saving the first cost.

The fire insurance underwriters look more favorably on metal than wood, which means in a good many cases a lower rate.

With hardly an exception, a tenant, on account of the superior appearance and the advertising feature, will gladly pay in additional rent the equivalent of the interest on this extra investment, which amounts to only a few dollars per year.

Our system has been installed in thousands of stores throughout the continent and has given excellent satisfaction. Expressions received from our patrons indicate they regard it as even more than fulfilling all we claim for it.

"EASYSET" can be furnished in solid Copper or Bronze, or in other finishes, such as Statuary Copper, Oxidized Copper, Nickel, Gun Metal, Etc.

Heartily endorsed by architects throughout the United States and Canada.

Corner Bar No. 4-A



ACTUAL SIZE

Durable and Sightly

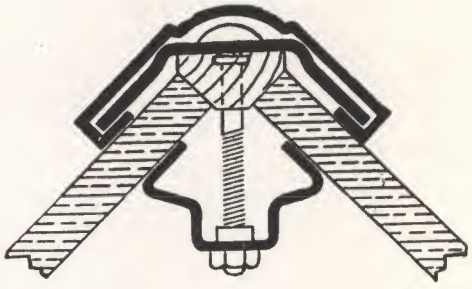
FULL sized detail of **Corner Bar No. 4-A.** Note how the reinforcement fits inside the outer covering, thus when the bar is installed and the nut is tightened it draws the outside of the bar **to the glass** instead of **forcing it away** as is the case with most bars. The glass is gripped some distance from the edge, thus preventing breakage from "pinching"—a small piece of wood fitted over the screw protects the edge of the glass. This bar is designed to take care of the variation in thickness of plate glass without bending or springing the metal. This bar is also made in two larger sizes, 4B and 4C. See sectional views.

Made of Heavy Gauge Copper or Bronze

SPECIAL FINISHES

Statuary Copper
Oxidized Copper
Statuary Bronze
Nickel and Gun Metal
Other special finishes, if desired.

No. 4-B



Same pattern as 4-A, but ¼ inch larger. To be used where there is an unusual exposure to wind. Allow ⅜ inch between inner edges of glass for installation of both 4-A and 4-B.

Separate inner and outer sections of bar before installing. Bottom of bar rests squarely on top of corner cap. All screws should be tightened evenly to procure the proper tension.

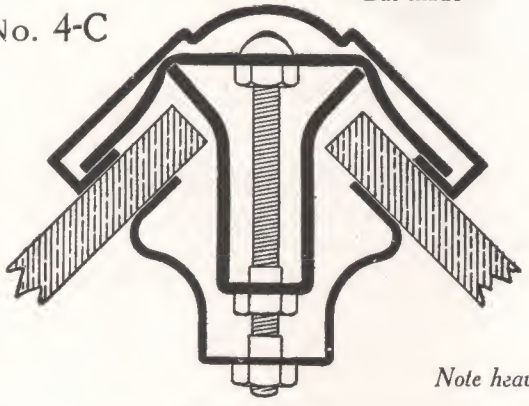
This Bar Is Heartily Endorsed By All Who Have Used It.

Corner Bar No. 4-C



The Strongest Bar made

No. 4-C

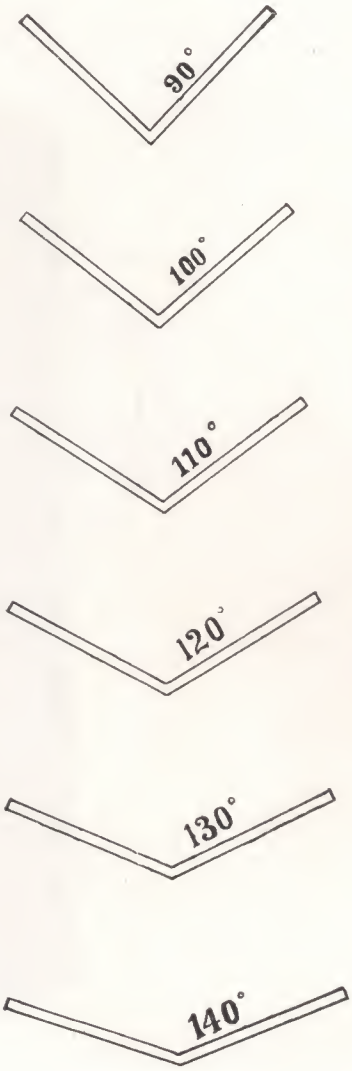


Sectional View

Note heavy steel reinforcement.

5/8-inch larger than 4-B. For large plate glass where there is a strong wind exposure. Allow 5/8-in. between inner edges of glass for installation of 4-C.

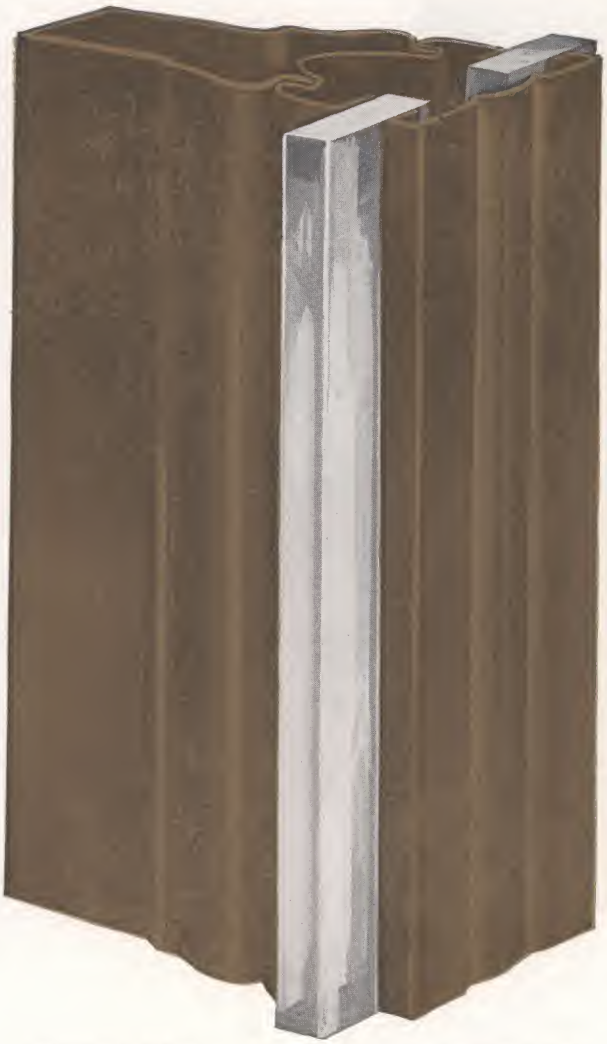
Angles



Above will assist our patrons to specify correct angles when ordering EASYSET Corner bars.

In order to avoid errors and delays it is necessary to state angle required.

Division Bar No. 15-A



ACTUAL SIZE OUTSIDE FACE

FULL size detail of our **Division Bar.** As with the corner bar, the reinforcement fits inside the outer covering and the same principle is employed, that of drawing the outside section of the bar **to the glass.** The edges of the glass are also left free, preventing "pinching." This bar is also arranged to provide for variation in thickness of glass.

SPECIAL FINISHES

Statuary Copper

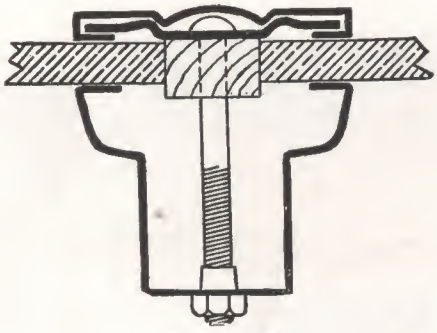
Statuary Bronze

Nickel and Gun Metal

MADE OF HEAVY GAUGE COPPER OR BRONZE

Practical Plate Glass Men pronounce this the Best Division Bar on the market

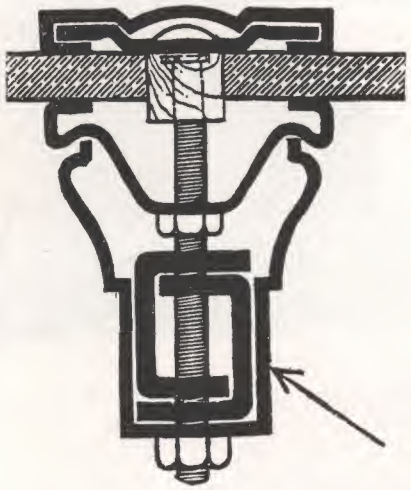
No. 15. B



FULL SIZE

Where short lengths are required for divisions in transoms, we furnish this Bar 15-B which has the same outer member but a smaller inside member. This is somewhat lower in price than the 15-A and contains sufficient strength for the purpose intended.

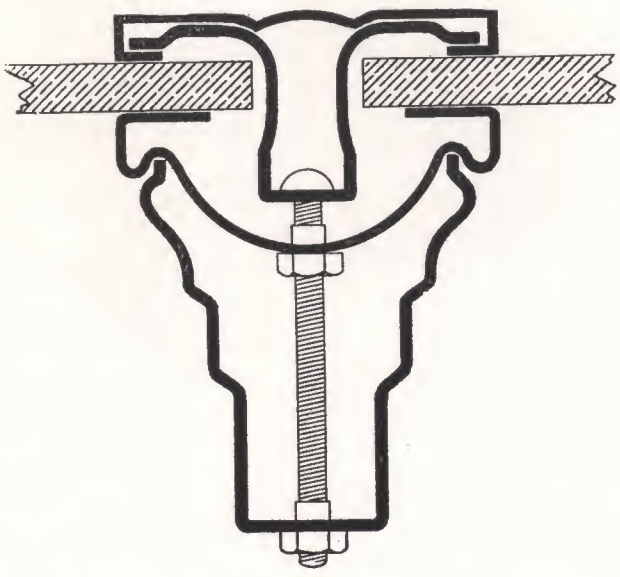
No. 15. A. REINFORCED



FULL SIZE
Sectional View

Extra Steel Reinforcing used where necessary to resist heavy pressure.

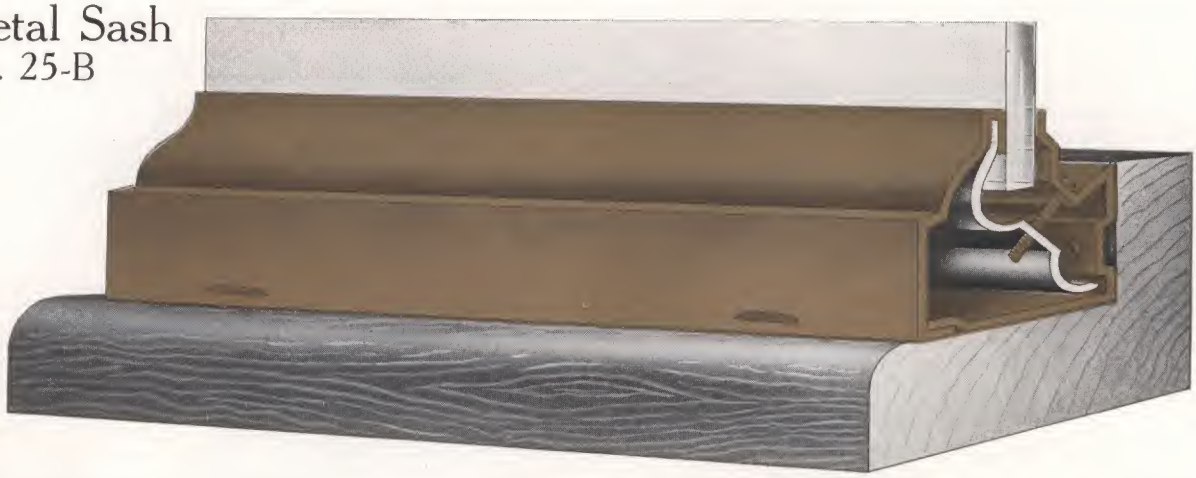
NO. 15-C



Half-inch wider than 15A. To be used with 4C Corner Bar where large glass is required, and in sections subject to high winds.

The Strongest Division Bar on the market.

Metal Sash
No. 25-B



With Ventilating and drainage system.

ACTUAL SIZE

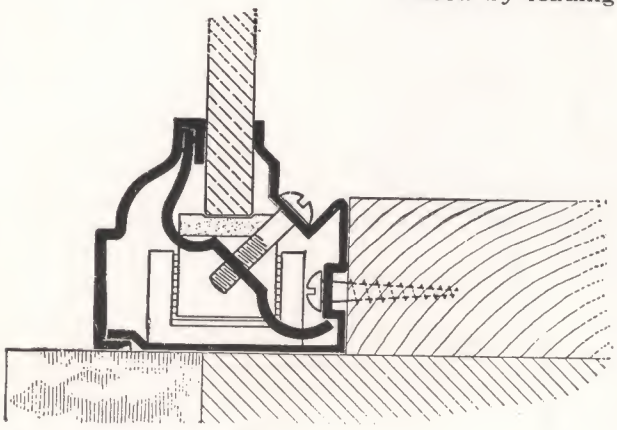
Setting block does not appear in this cut. See sectional view below.

GLASS is set from outside. Tension obtained from inside screws. No outside screws to mar the face of the sash, or to work loose and release the tension.

Glass rests on solid metal block four inches long, mounted with leather, which will prevent settling and avoid breakage, and always keeps glass in position shown.

Is a frost preventive when show windows are built air tight, allowing only the air entering through the metal sash to circulate.

The most modern and efficient metal sash on the market. Endorsed by leading architects. Superior to others and costs no more.



Sectional View of Metal Sash Showing Leather Capped Metal Setting Block.

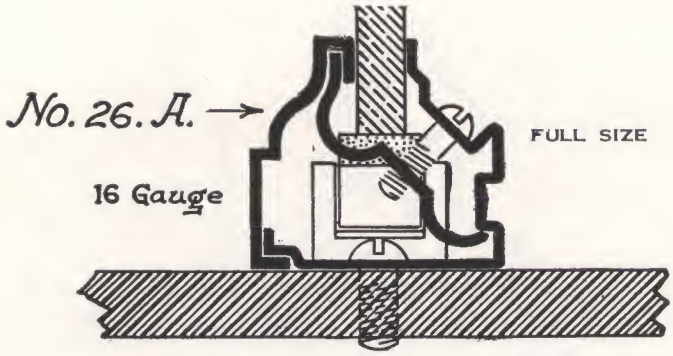
MADE OF HEAVY GAUGE COPPER OR BRONZE

SPECIAL FINISHES

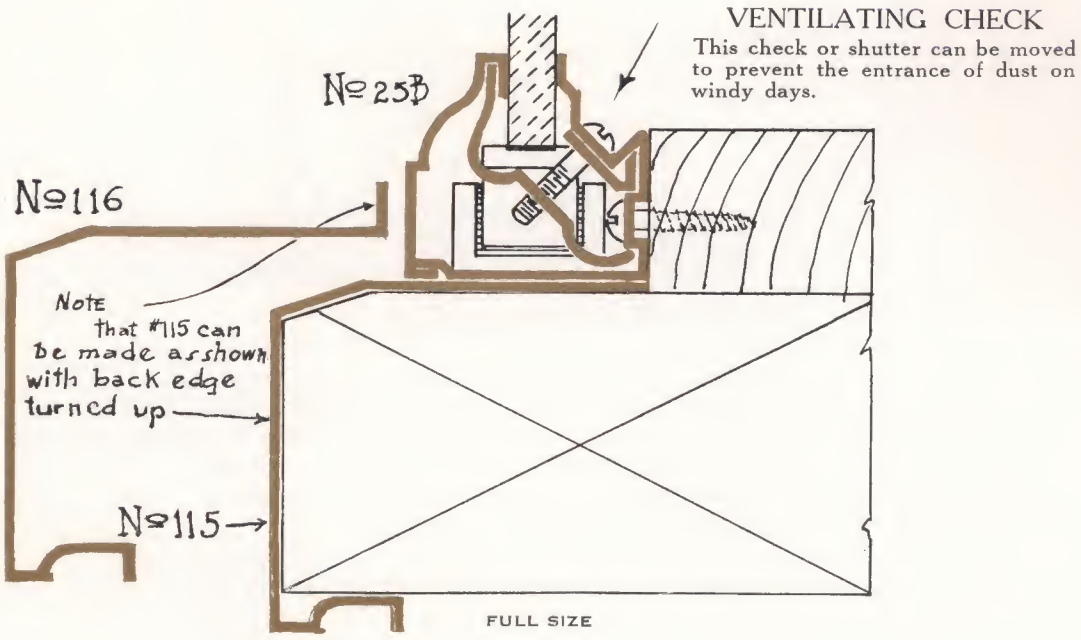
Statuary Copper
Statuary Bronze
Oxidized Copper
Nickel and Gun Metal
Other Special Finishes if desired

See page 15 for installing directions.

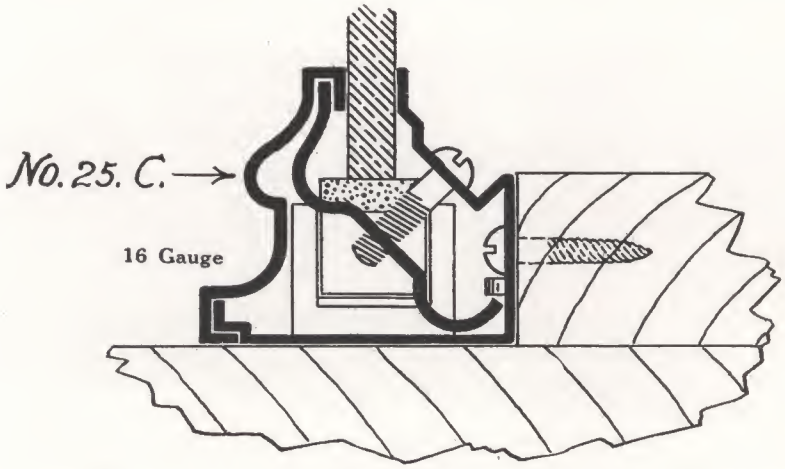
Owners and Tenants are delighted with it.



26-A. A metal Sash similar to 25-B, except that it is made of heavier metal to withstand unusual wind-pressure, 16-gauge copper being used. This is designed particularly to be applied to brick, stone, or steel sill, but can be attached to wood if desired, the same as design 25-B shown on opposite page.

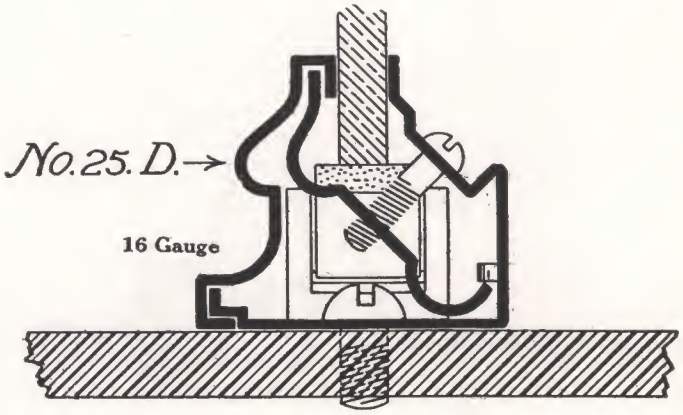


All Types of our Metal Sash embody the Ventilating and Drainage Feature.



FULL SIZE

25-C. Same proportion and strength as the 25-D, but designed for fastening to the edge of the floor instead of the sill. This is also made of heavy 16-gauge metal.



FULL SIZE

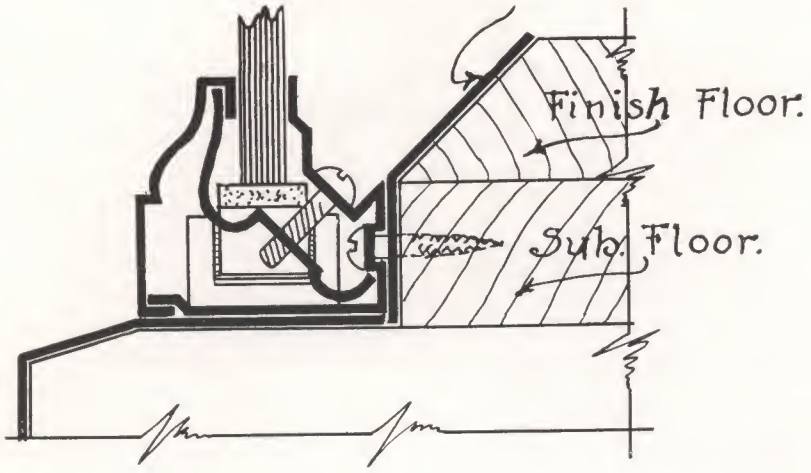
25-D. Our new Metal Sash is particularly adapted to application to a steel sill and where no wood backing is used. This is made of heavy 16-gauge metal and is sufficiently strong to support a plate glass of the largest size. A special advantage of this 25-D is that the proportions are massive enough to harmonize architecturally with heavy building construction. This is without doubt the strongest and best metal sash manufactured today, as in addition to the heavy outer covering it also has the additional strength of the inner reinforcements.

Our 25-A, 25-B, 25-C, and 25-D, shown on these pages, can be furnished in Copper or Bronze, with special finishes such as Statuary Copper, Statuary Bronze, Oxidized Copper, Nickel and Gun Metal, where same are desired.

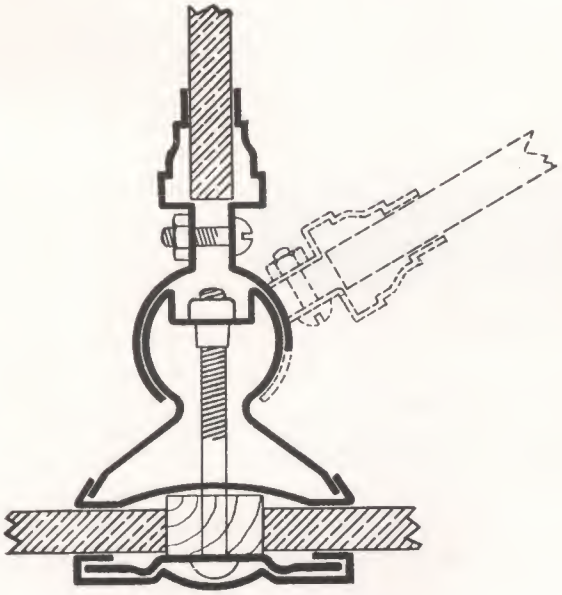
Corner Caps furnished without charge with all types of Metal Sash. We can eliminate ventilating and drainage holes when desired.

The Strongest Metal Sash Manufactured.

Sectional View Deep Sash Gutter



Three Way Bar



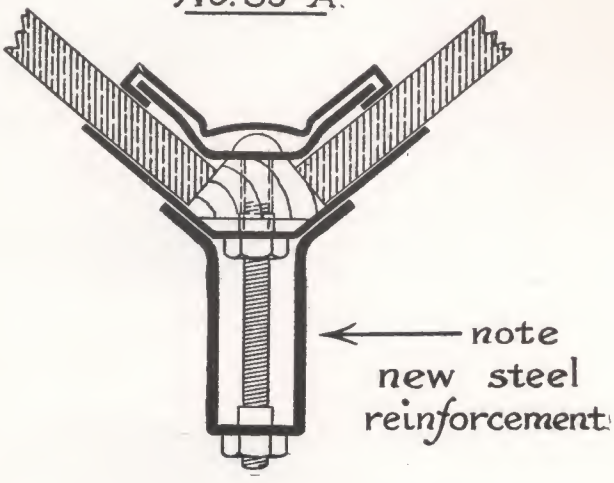
No. 45. A

FULL SIZE

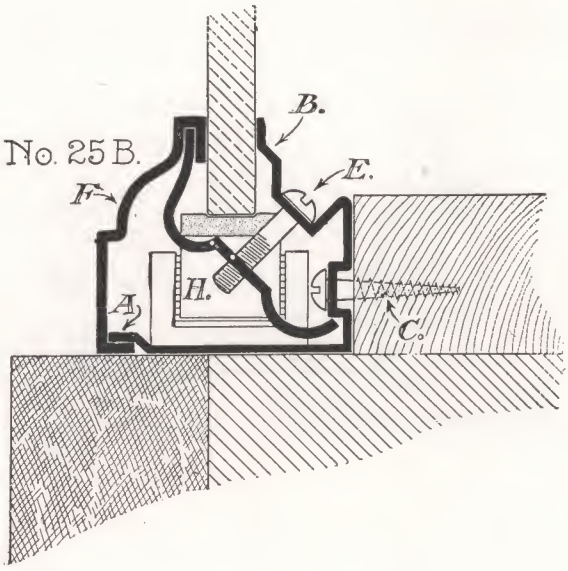
45-A. We claim this to be the only three-way bar on the market which contains sufficient strength to support the glass. This is built on scientific lines. You will notice that the universal joint principle is employed, which makes it possible to use this bar in any angle required.

Reverse Angle Bar

NO. 35-A.



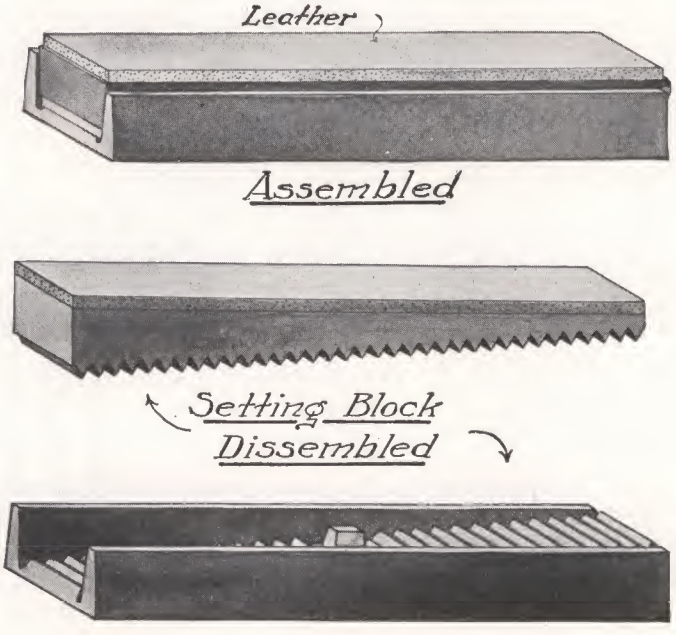
FULL SIZE



See Installing Directions on Opposite page

SETTING BLOCKS

We show below our new patented adjustable setting block. This is of steel, mounted with leather, which provides a smooth and safe cushion for the glass and absolutely prevents it from coming in contact with the metal.



Note method of adjustment and center guard pin. This renders it impossible to throw the upper part of block off level.

Directions For Installing

Metal Sash Rail, No. 25-B.—Each piece of Easyset Construction will be tagged to correspond with the number shown on sketch accompanying shipment, thus obviating confusion or the danger of misplacing. The member running from A to B on sketch on opposite page is first fastened in place with screws as shown. Then the setting block is inserted and the glass placed in position. After this the screw marked E is inserted and the lug marked H is attached and brought up loosely to the glass. This holds the glass in place while the outer member is being fitted, in case any fitting is necessary. Then the outside member marked F is set in place, the top slipping over the top of the lug H and the bottom slipped under the edge A. Then screws E are tightened to provide the proper tension. These should be tightened evenly. The setting block is of solid metal mounted with leather. It is in two pieces and readily adjustable; it can be raised or lowered. This absolutely prevents the edge of the glass from coming in contact with metal. (See keyed sectional view on opposite page.) Where the metal sash rail is being used on the bottom, sides and tops, there should be a space of 11-16 of an inch between the edge of the glass and the frame. (See sectional view on page 10.)

All caps which cover joints are then put in place. These caps, with the necessary screws, are shipped with each order without charge.

Metal Sash No. 25-C and D.—Follow the same method when installing. There should be a space of 7/8 inch between the edge of the glass and the frame where the Metal Sash is used on bottom, sides and top. It is necessary to put a vertical rivet through the sill in 25-D. (See cut on page 12.)

Corner Bar No. 4-A and 4-B.—The distance between the inner edges of the glass should be 3/8 inch to allow for the installation of the corner bar. Separate inner and outer sections of this bar before installing. The bottom of this bar rests squarely on the top of the corner cap. All screws should be tightened evenly to get the proper tension.

Corner Bar No. 4-C.—Use the same method when installing Corner Bar 4-C, except that there should be an allowance between the inner edges of the glass of 5/8 inch on this bar.

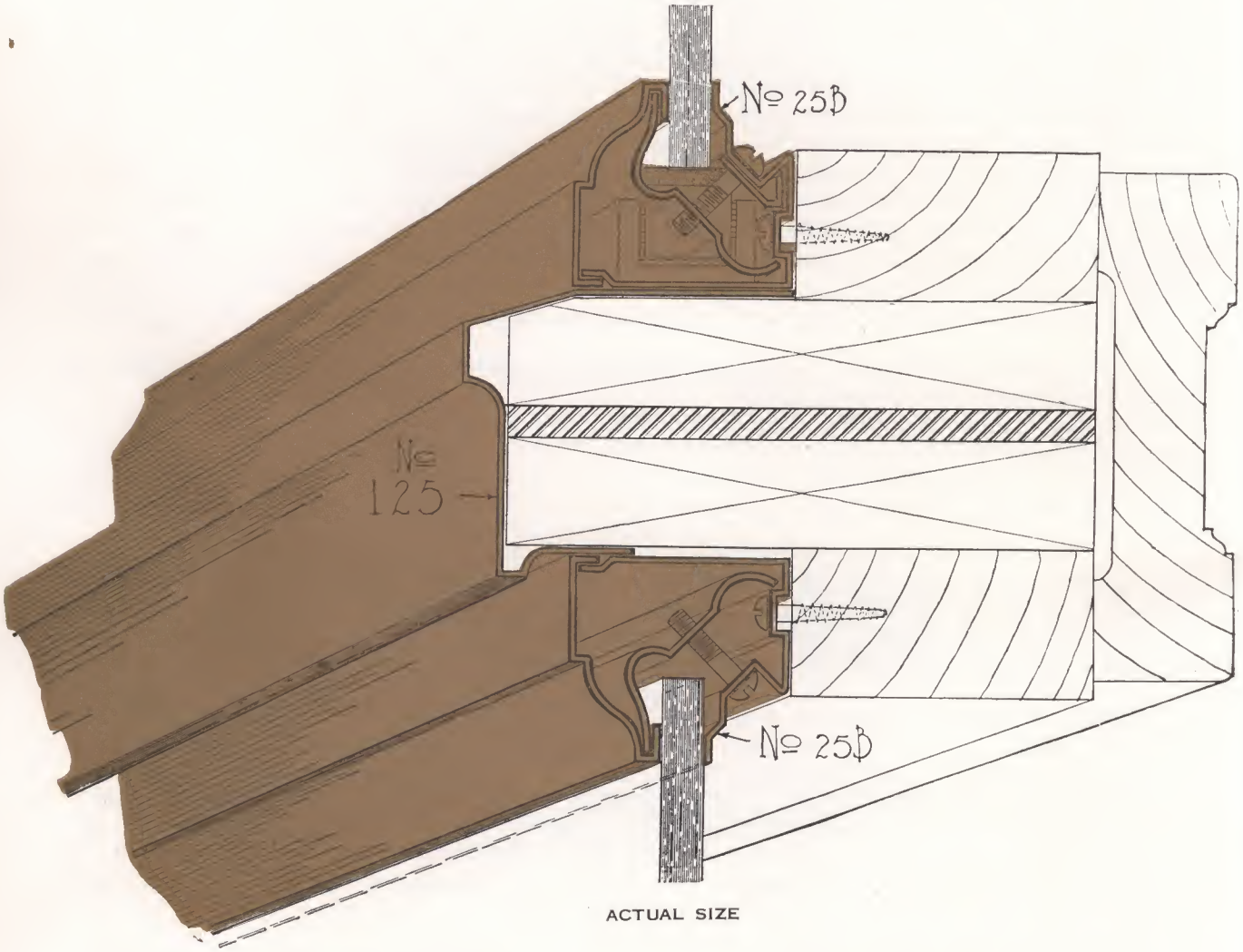
Division Bar No. 15-A, B and C.—5/8 inch should be allowed between the edges of the glass to accommodate the division bar. The inner and outer sections of this bar should also be separated before installing, and the screws tightened in the same manner as the corner bar. The end of this bar rests on the edge of the metal sash rail and the inner part is anchored to the floor. Small steel anchors with screws complete are furnished for this purpose.

Transom Bar No. 55-A.—Where we furnish our Transom Bar No. 55-A, which is a combination of wooden bar with copper covering and metal sash rail on top and bottom, we furnish iron rods to suspend this transom bar from head jamb where the length of the bar and the construction of the building makes this necessary. (See detail on pages 16 and 24.)

Mouldings.—A glance at the details shown on page 24 will also show the manner of applying and fastening the different mouldings, such as sill coverings, transom bar coverings, etc.

Transom Bar No. 55-A

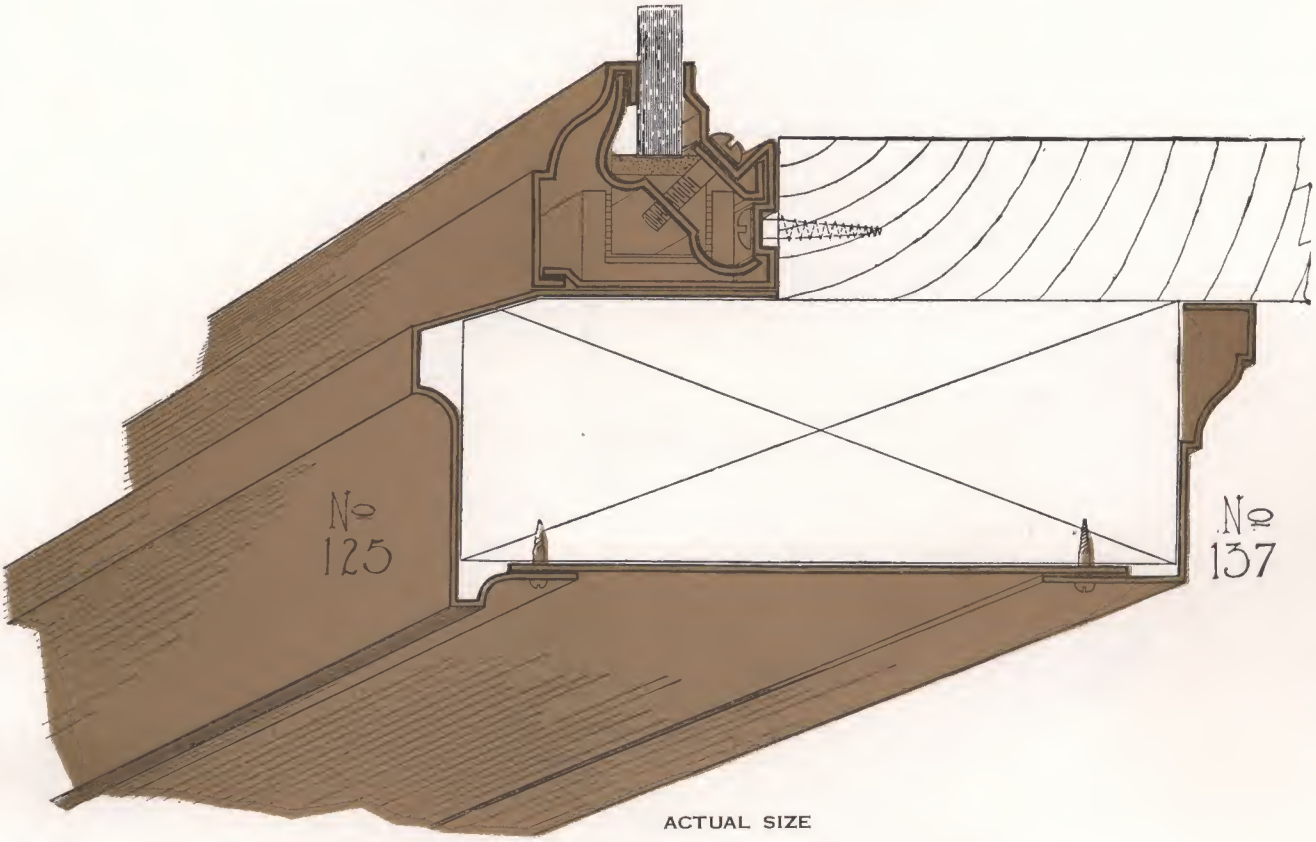
Reinforced in lengths 14 feet and over.



ACTUAL SIZE

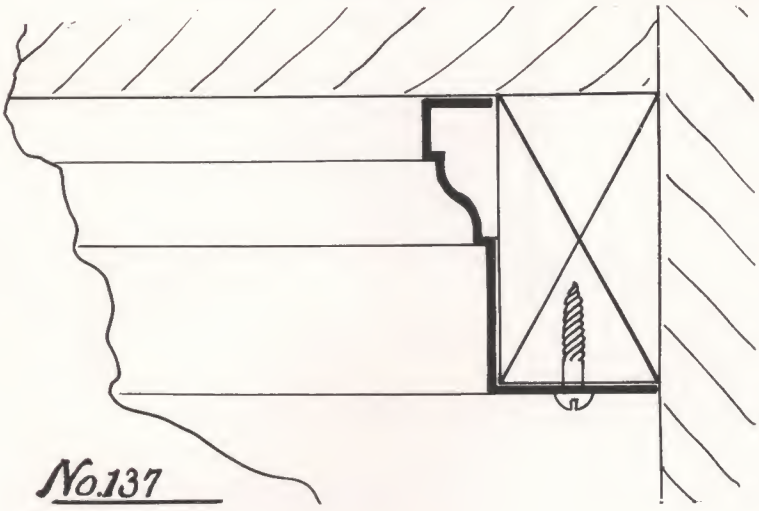
THE above shows our own special Transom Bar, which is a combination of Metal Sash No. 25-B and moulding for transom cover No. 125. This is furnished with wood complete. On lengths from 14 to 18 Ft., a ⅛-in. steel reinforcement is inserted. On lengths 18 feet and above the steel reinforcement is ¼-inch thick. We furnish iron rods to suspend transom bars where the length of the bar and construction of the building render it necessary. See page 24 for illustration of Transom Hanger Rods.

Perspective of Vestibule Transom Bar



ACTUAL SIZE

Above cut shows method of covering Transom Bar over Vestibule.

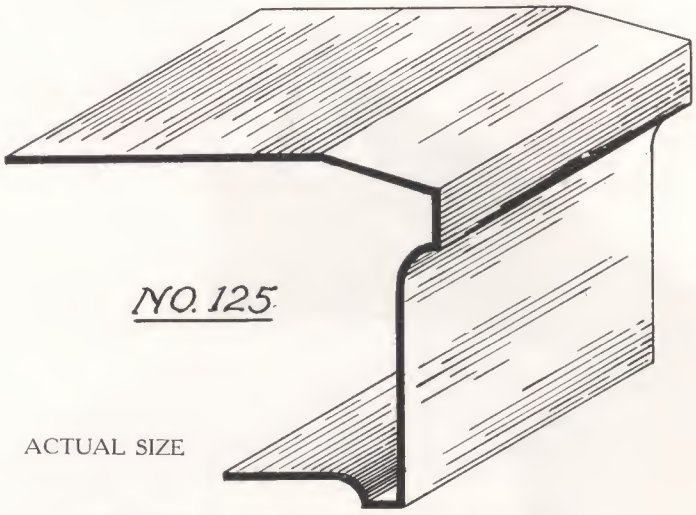


Moulding applied to Top Jamb of Vestibule where above Transom Bar is used.

METAL ONLY

No wood furnished for No. 137.

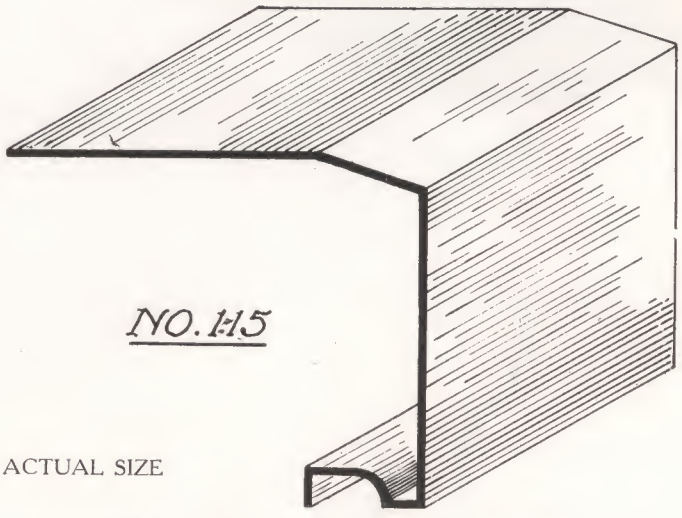
Transom Bar Covering



HEAVY GAUGE COPPER OR BRONZE

This is furnished with or without wood, as desired.

Sill Covering



HEAVY GAUGE COPPER OR BRONZE

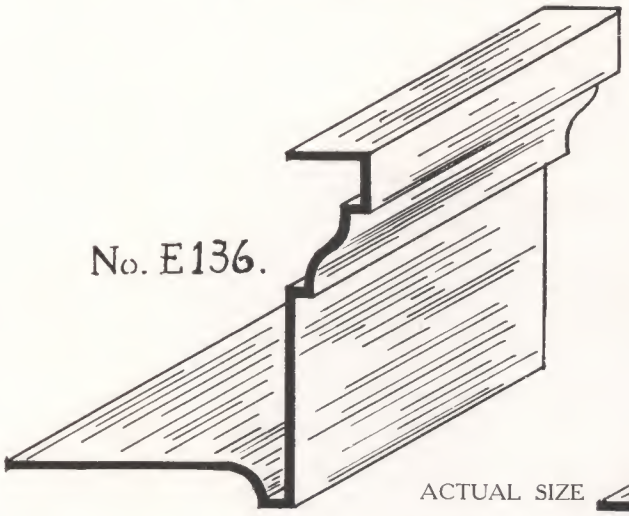
SPECIAL FINISHES

Statuary Copper, Oxidized Copper, Statuary Bronze, Nickel and Gun Metal.

Other special finishes when desired.

These can be made with back edge turned up if desired. See detail on page 11.

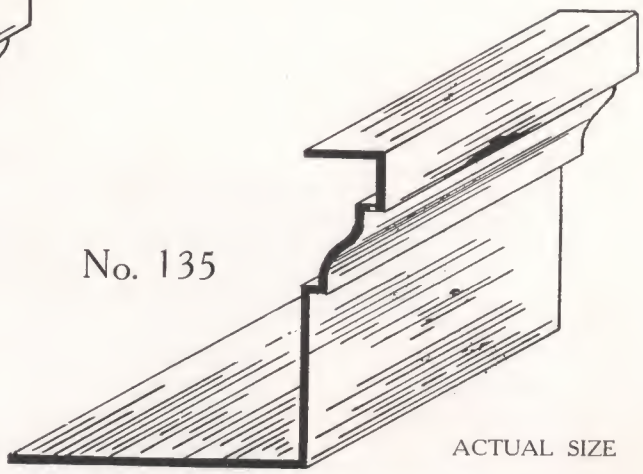
Head Jamb



No. E136.

ACTUAL SIZE

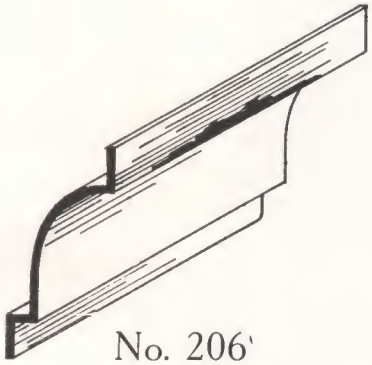
Side Jamb



No. 135

ACTUAL SIZE

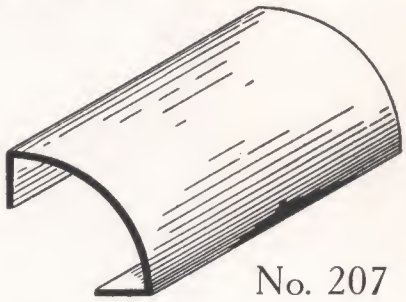
HEAVY GAUGE COPPER OR BRONZE



No. 206

SPECIAL MOULDING

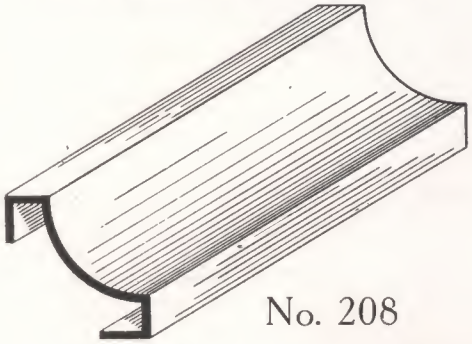
For Bulkhead or other purposes.



No. 207

QUARTER ROUND

For fastening the transom glass where metal sash No. 25-A is not used, thus making the front uniform in appearance.



No. 208

SPECIAL MOULDING

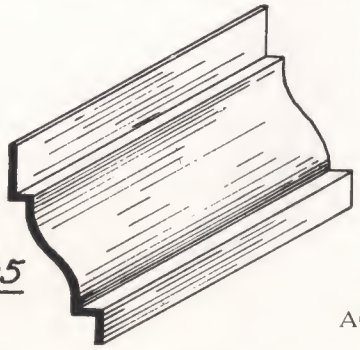
Can be used in place of No. 205 when preferred, or can be used for other special purposes.

HEAVY GAUGE COPPER OR BRONZE

SPECIAL FINISHES

Statuary Copper, Oxidized Copper, Statuary Bronze, Nickel and Gun Metal.
Other special finishes when desired.

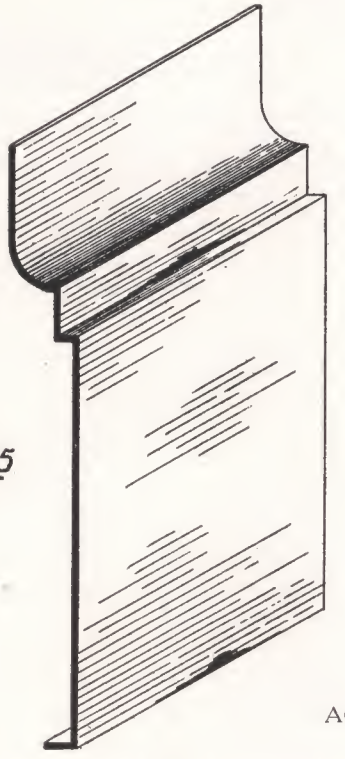
Bulkhead Mouldings



NO. 205

ACTUAL SIZE

HEAVY GAUGE COPPER OR BRONZE



NO. 105

ACTUAL SIZE

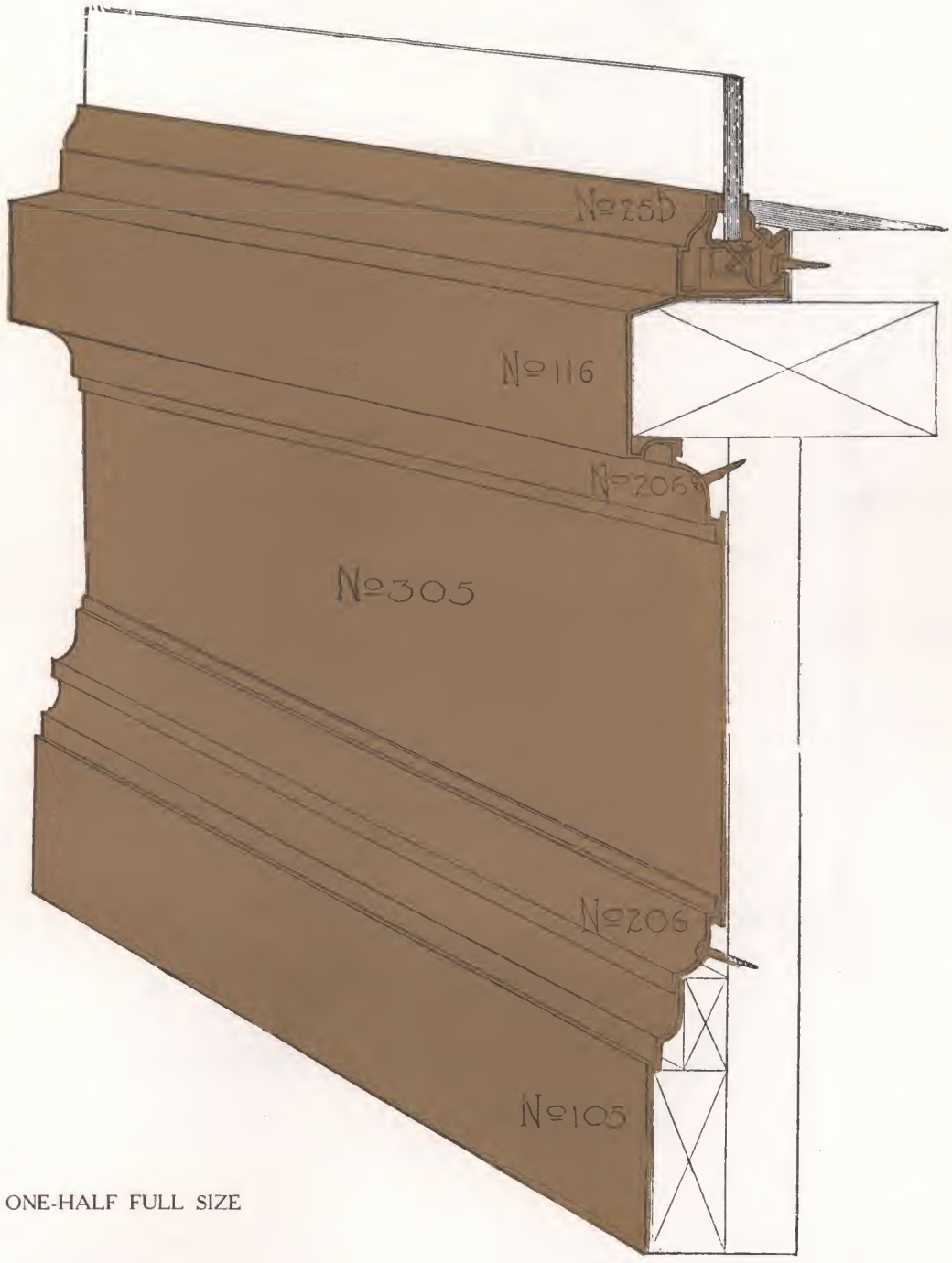
HEAVY GAUGE COPPER OR BRONZE

SPECIAL FINISHES

Statuary Copper, Oxidized Copper, Statuary Bronze, Nickel and Gun Metal.
Other special finishes when desired.

See detail on opposite page showing position of these mouldings. Also detail on page 24.

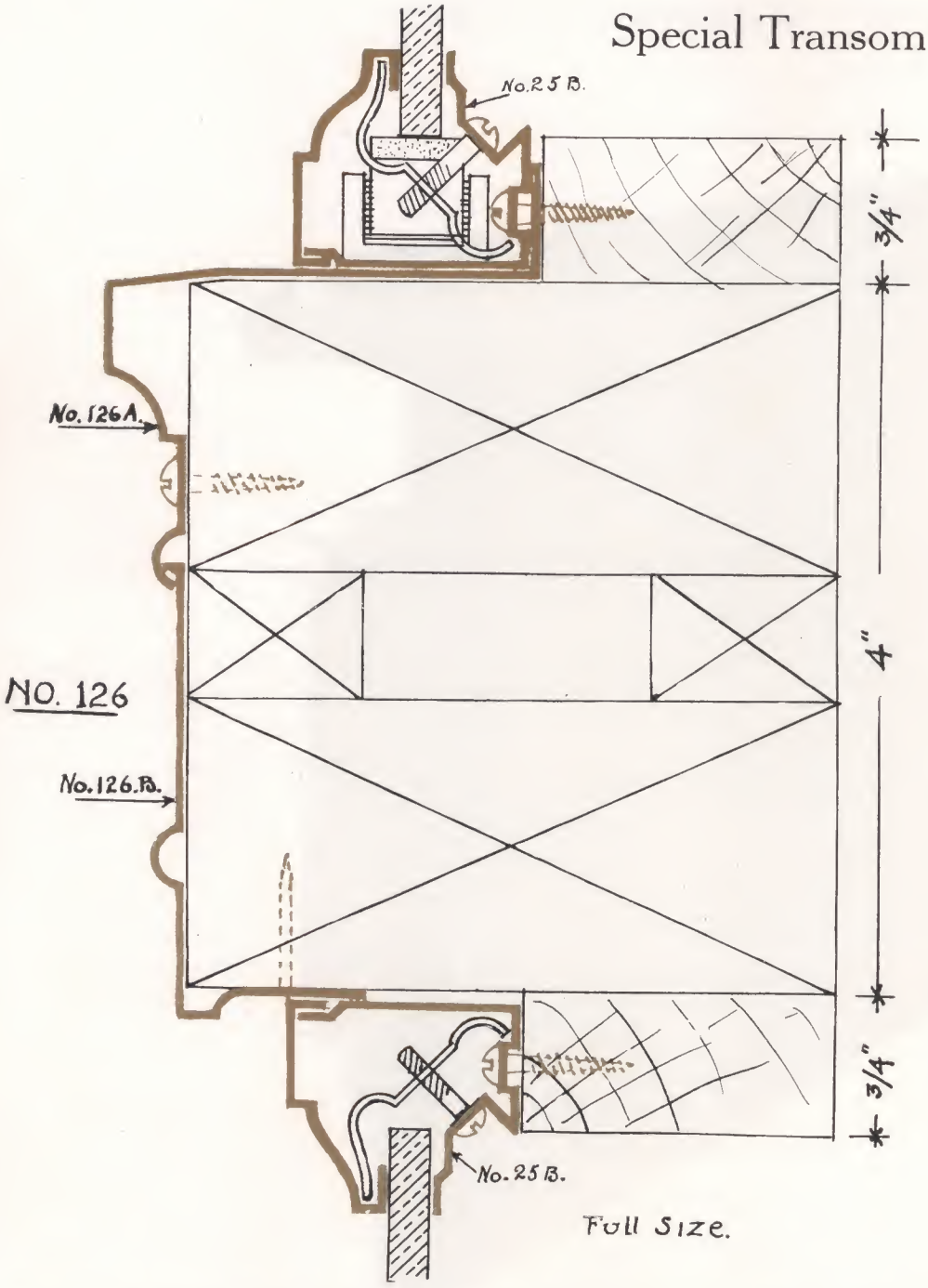
Perspective of Bulkhead

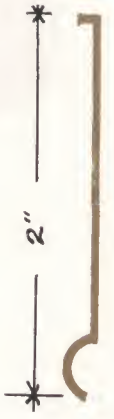


ONE-HALF FULL SIZE

Panel can be either metal or glass as desired.

Special Transom Bar





No. 126 C.
To Be Used as a Widener on No. 126 Bar.

This transom bar is detailed as 4 inches high, but can be extended to meet requirements.

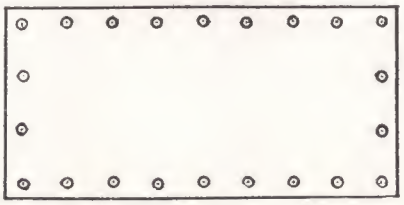
HEAVY GAUGE COPPER OR BRONZE

SPECIAL FINISHES

Statuary Copper, Oxidized Copper, Statuary Bronze, Nickel and Gun Metal.
Other special finishes when desired.

Kick Plate

No. 309



COPPER, BRASS OR BRONZE

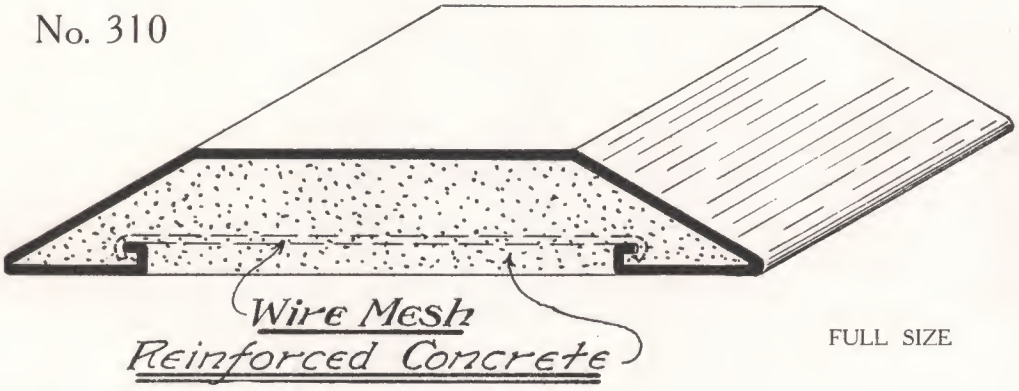
Other special finishes if desired.

16 Gauge

EXACT THICKNESS

Thresholds

No. 310

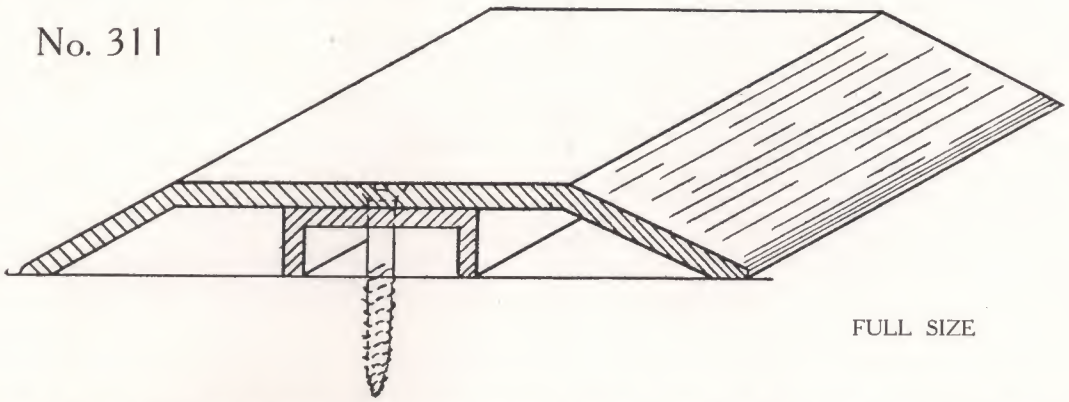


FULL SIZE

BRASS ONLY

Does not swell or warp as is the case with wood filler. This threshold is fastened in place by flat head screws, countersunk, thus presenting a perfectly even surface. The necessary screw holes are drilled at our factory and sufficient screws furnished.

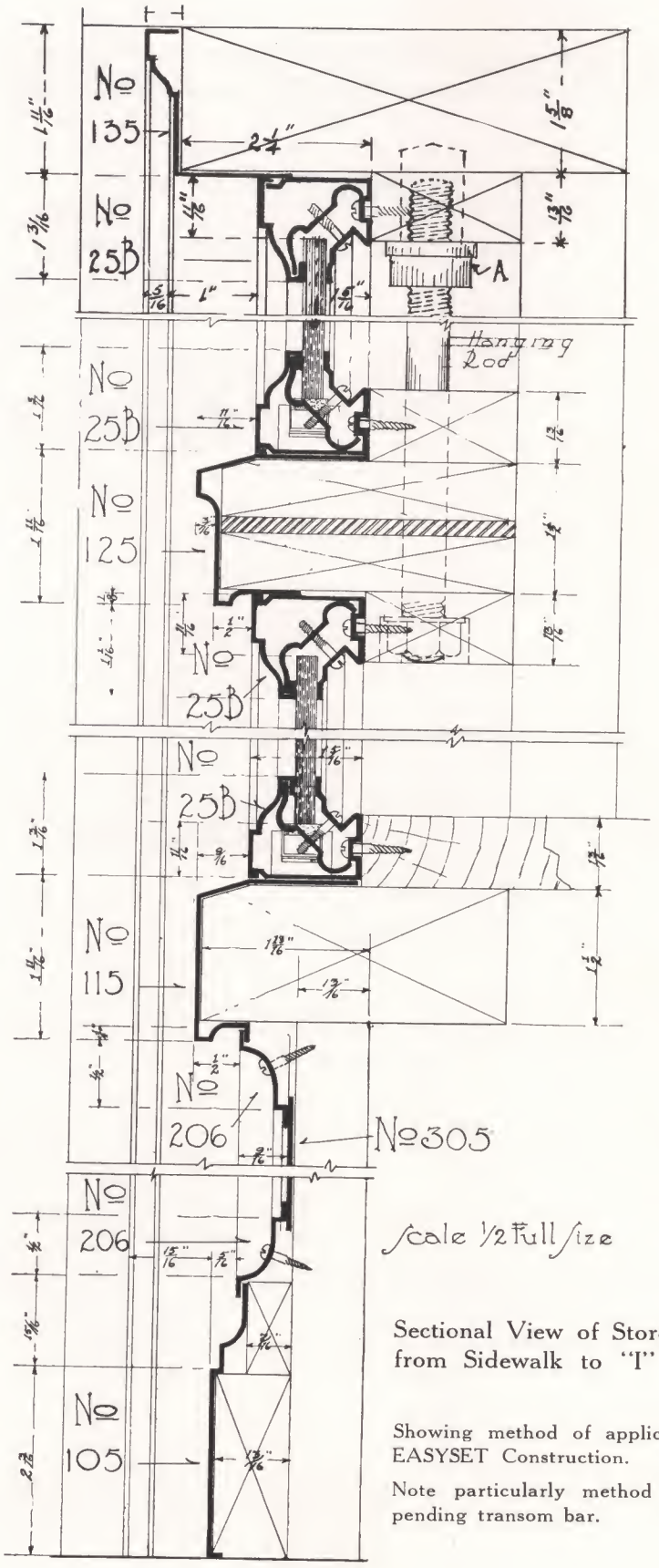
No. 311



FULL SIZE

Made of No. 8 B. & S. gauge brass reinforced by short sections of steel channel. Will not rust or warp. Furnished in brass only, any length. Holes drilled at factory and screws furnished.

A Long-lived Threshold.

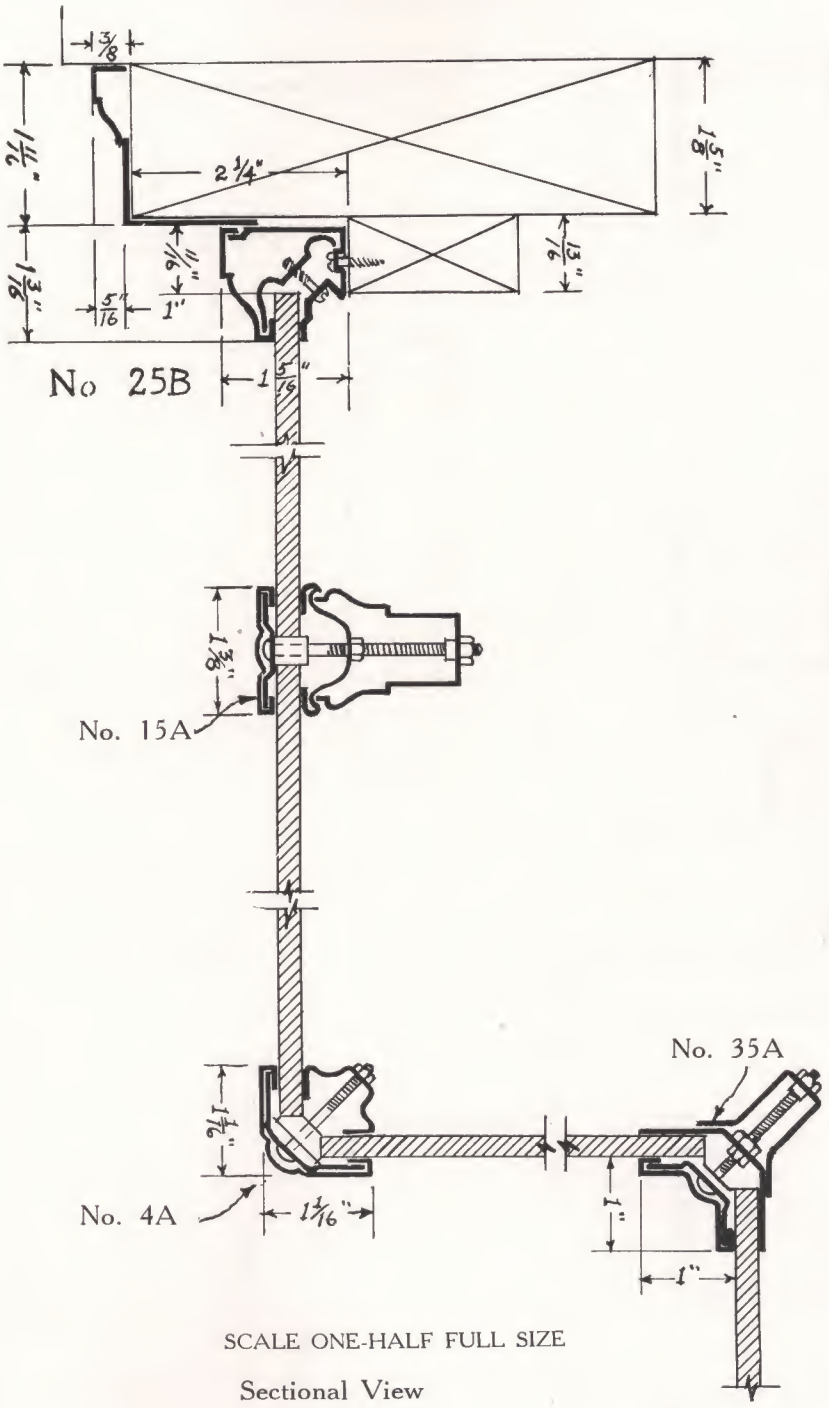


Scale ½ Full Size

Sectional View of Store Front from Sidewalk to "I" Beam.

Showing method of application of EASYSET Construction.

Note particularly method of suspending transom bar.

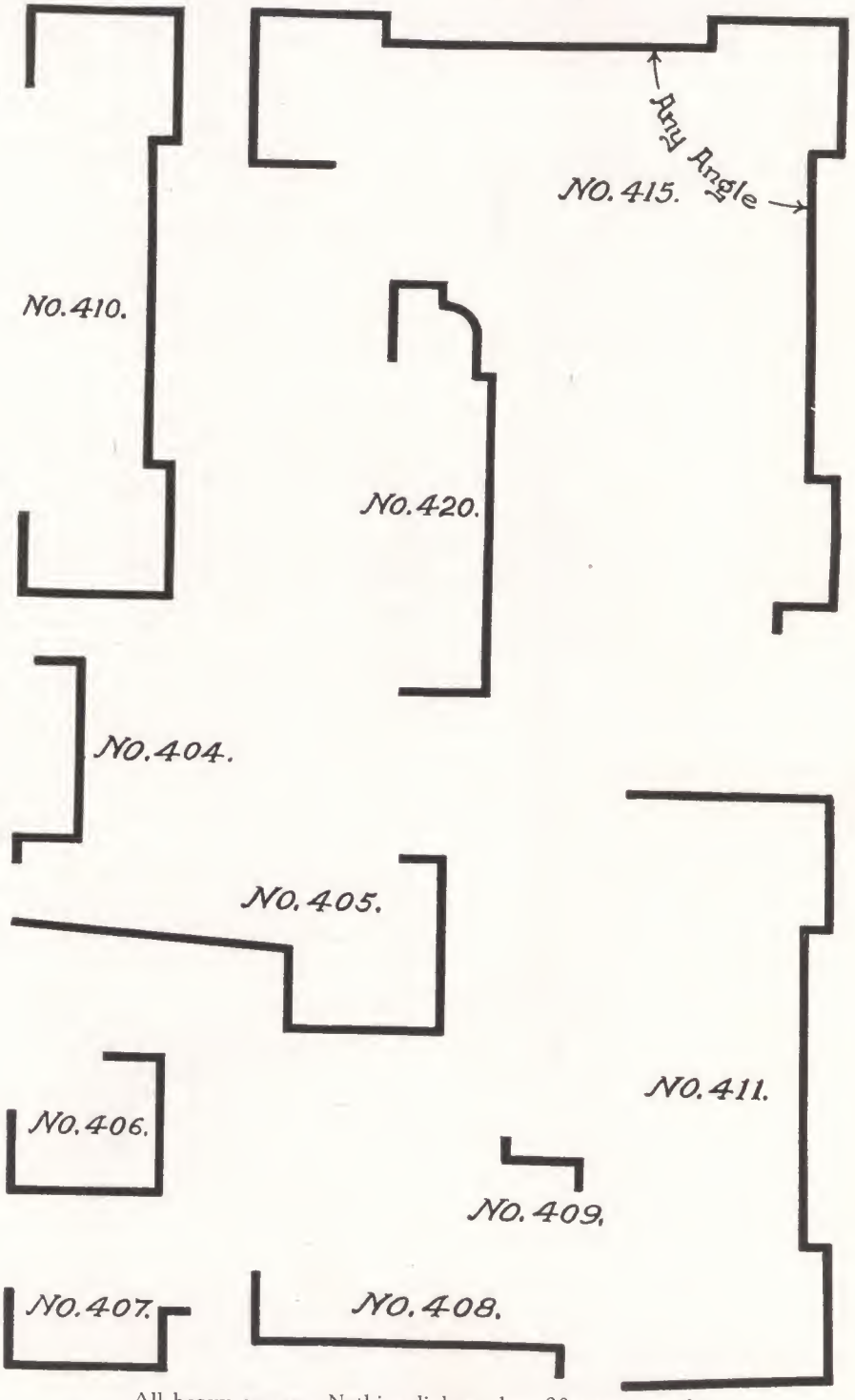


SCALE ONE-HALF FULL SIZE

Sectional View

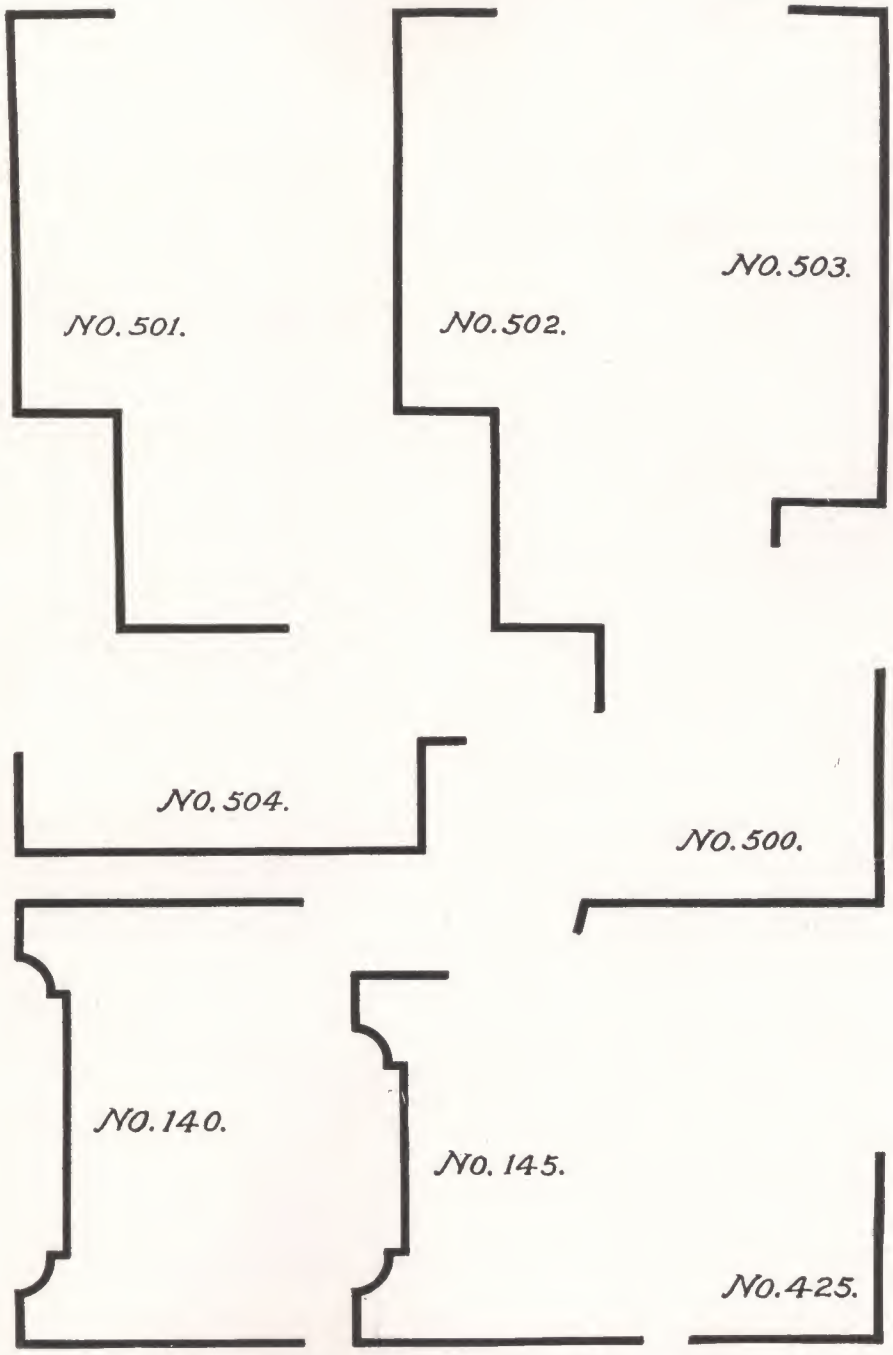
Showing Corner Bar No. 4A, Division Bar No. 15A.
Reverse Angle Bar No. 35A, Metal Sash No. 25B.

Special Mouldings



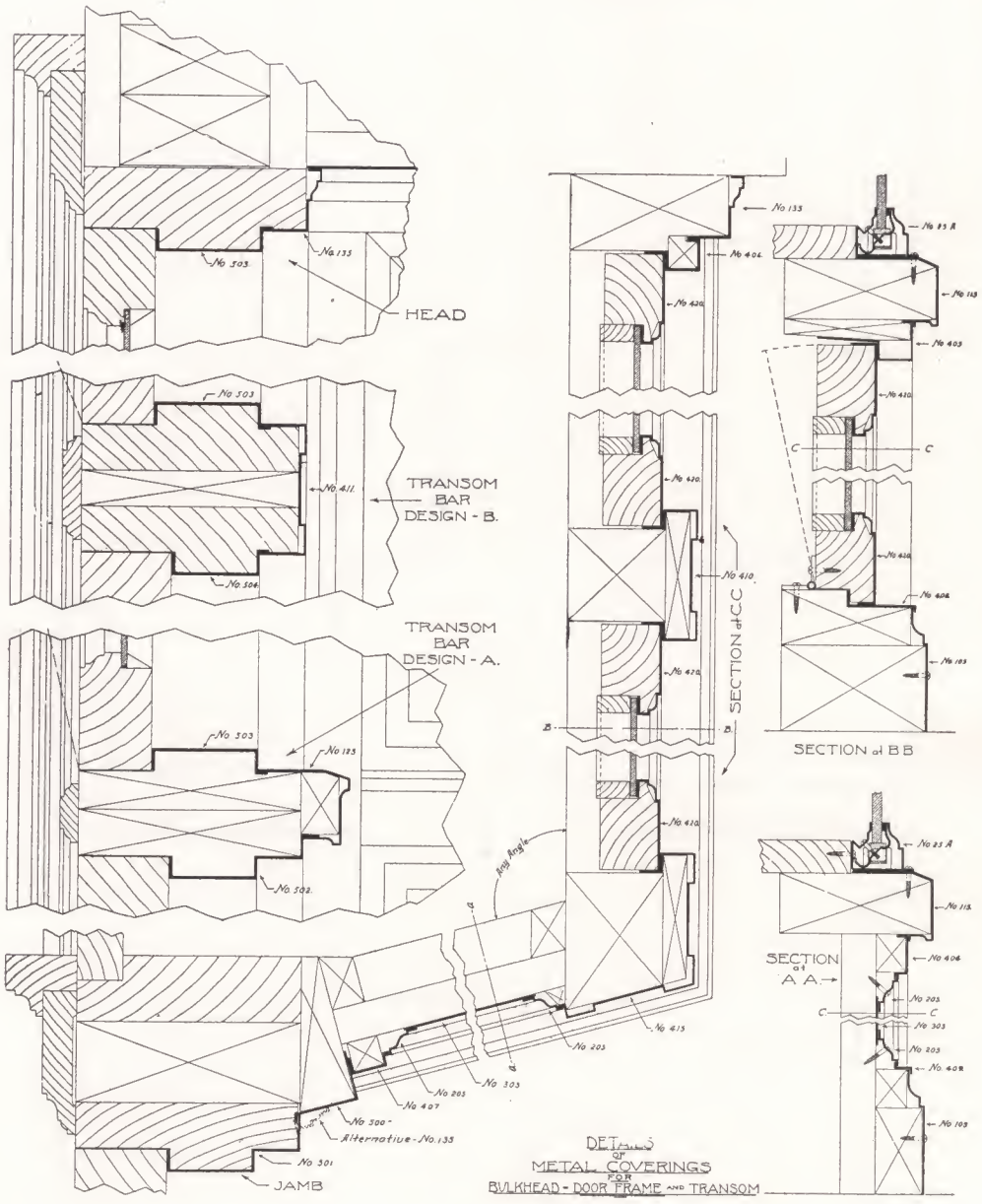
All heavy gauge. Nothing lighter than 20 gauge used.
Special mouldings for Bulkheads, Transoms, Door Jambs, Etc.

Special Mouldings



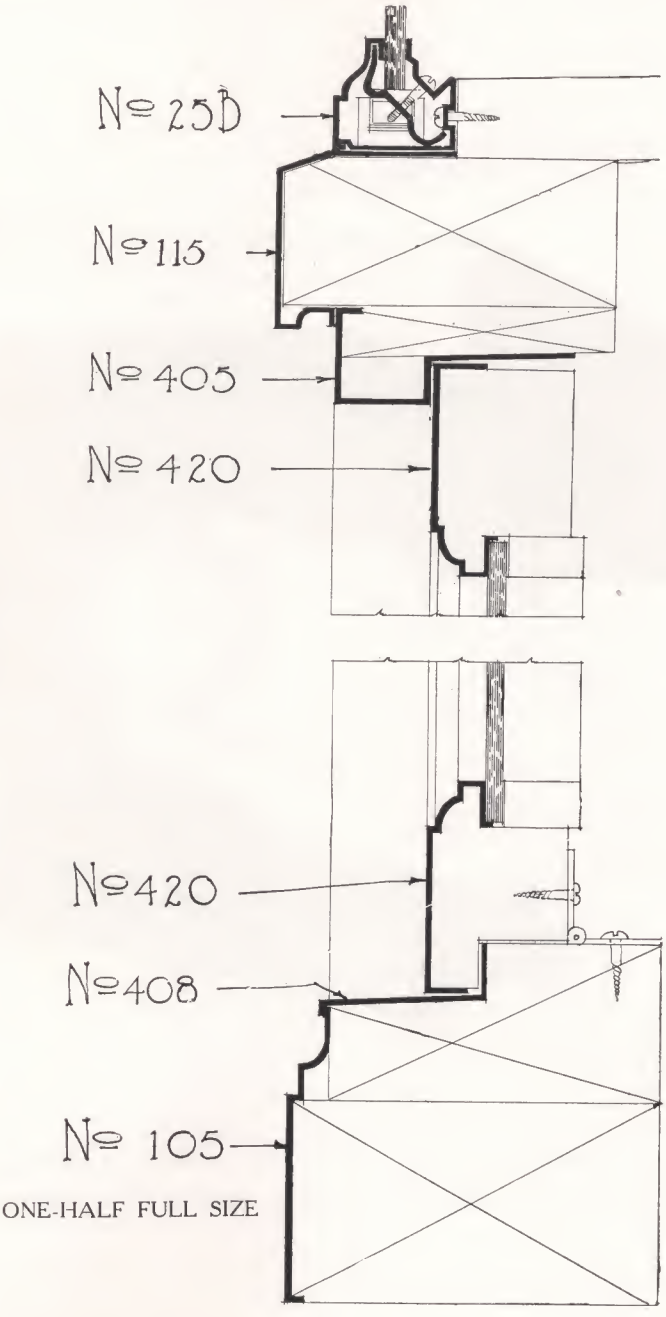
All heavy gauge. Nothing lighter than 20 gauge used.
Special mouldings for Bulkheads, Transoms, Door Jambs, Etc.

See page 29 showing method of application. Details on following page.



Detail showing method of application of special mouldings on preceding pages.

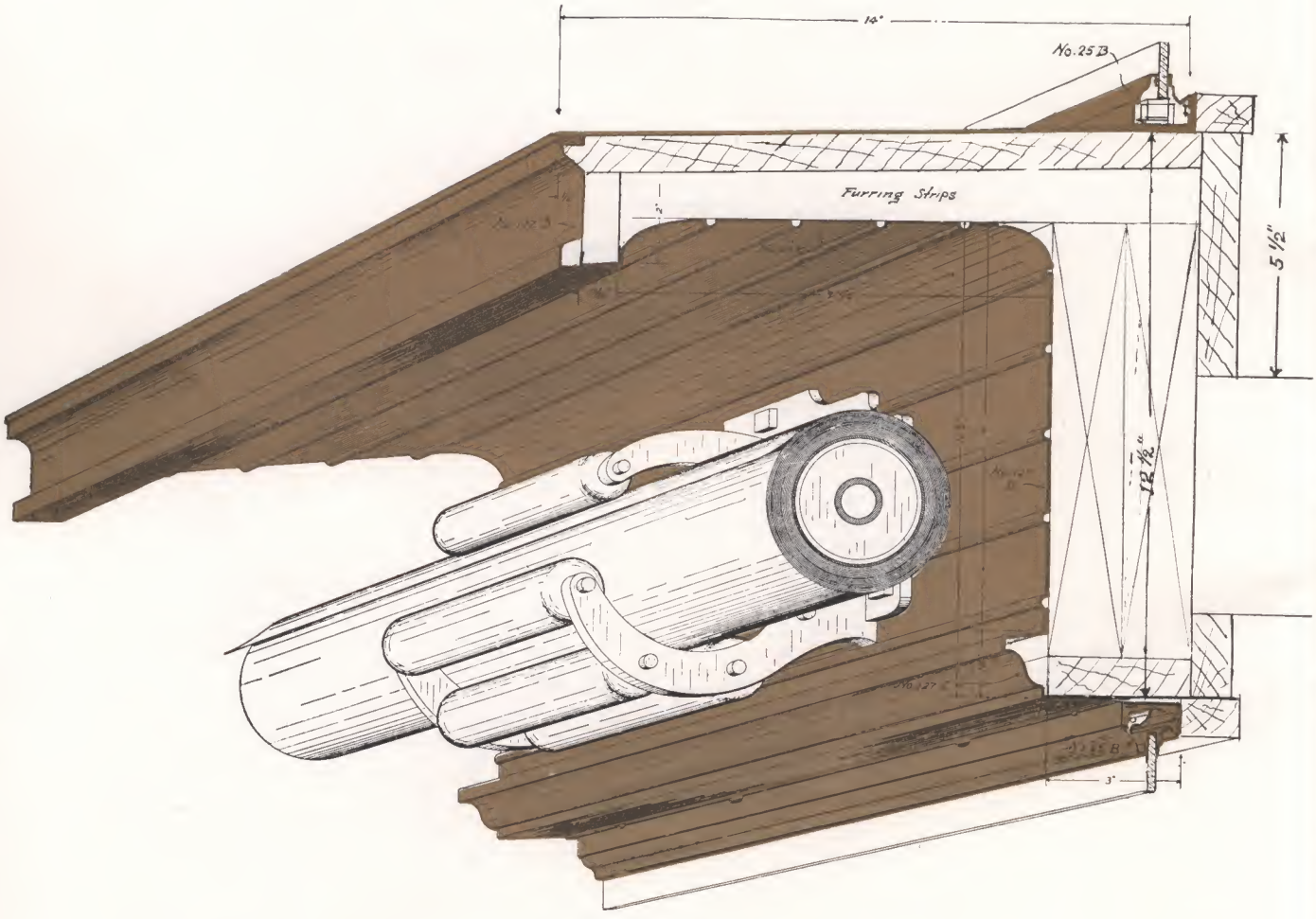
Details of Bulkhead Showing Hinged Sash



Panel hinged for ventilation.

Protection Covers For Awnings

Detail of No. 127



ONE-FOURTH SIZE

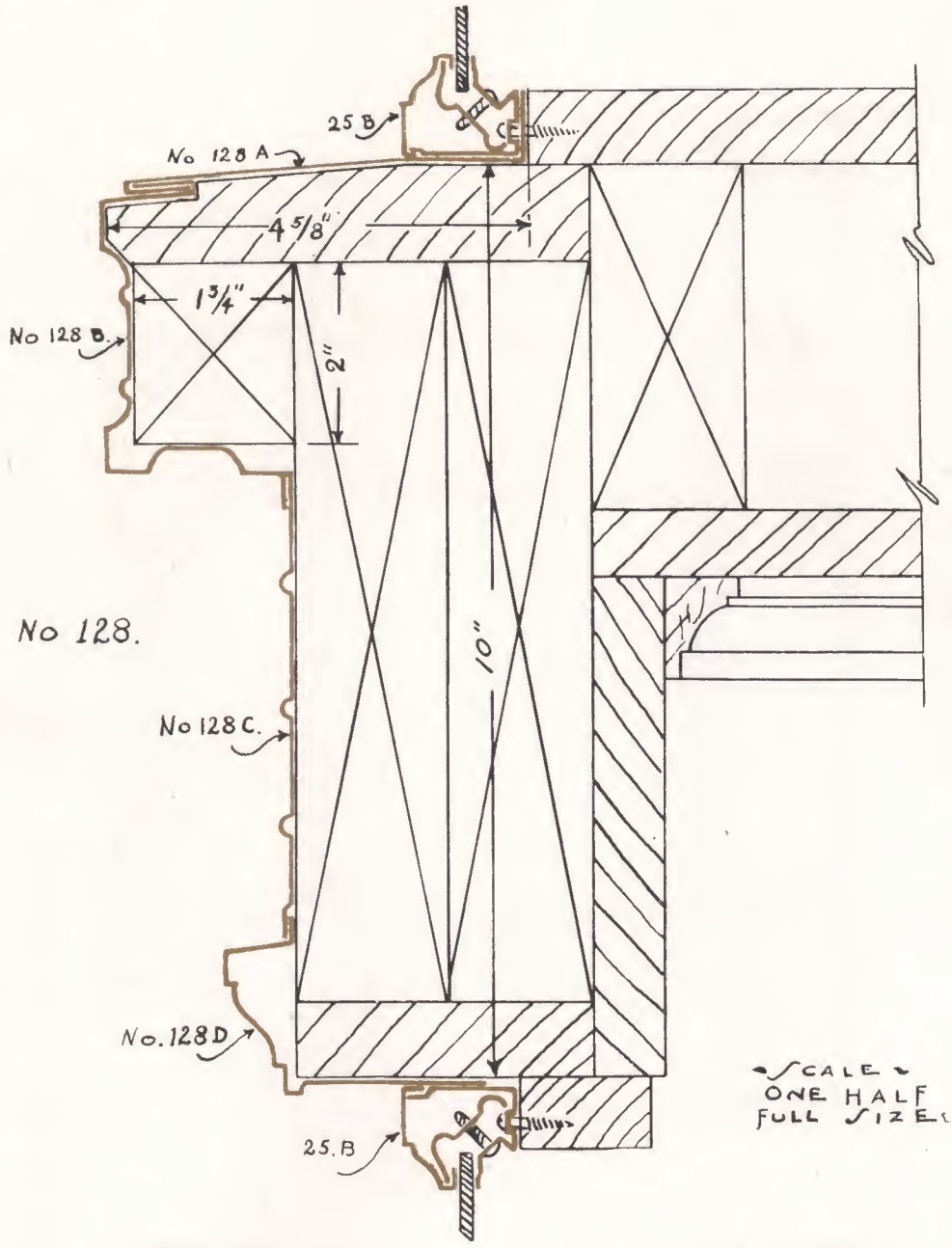
This device protects the awning from the elements, thus prolonging the life of the same. It is more economical to purchase this cover than to continually replace the awning.

We furnish metal only.

Ornamental Transom Bar

10 inches in heighth.

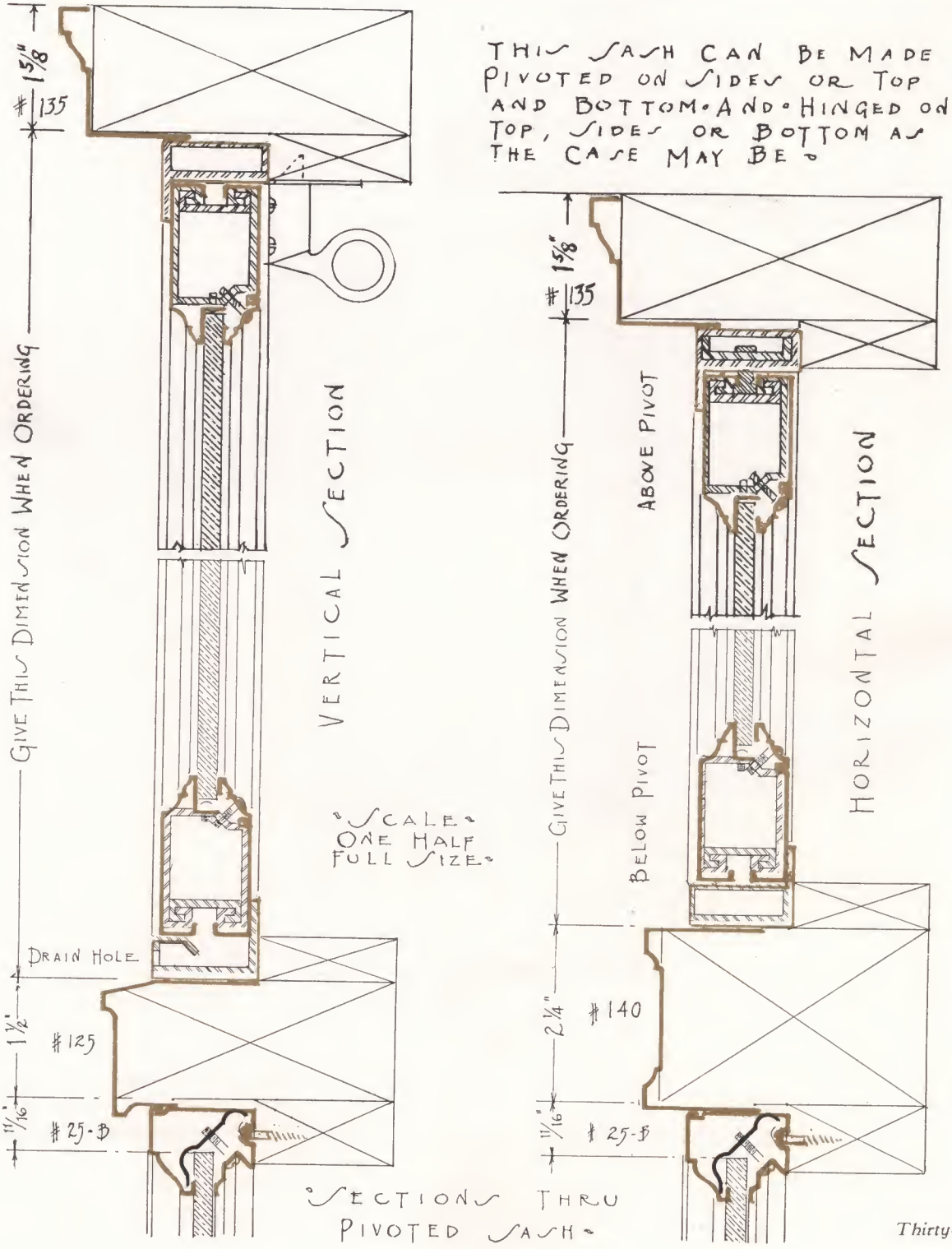
Detail of No. 128



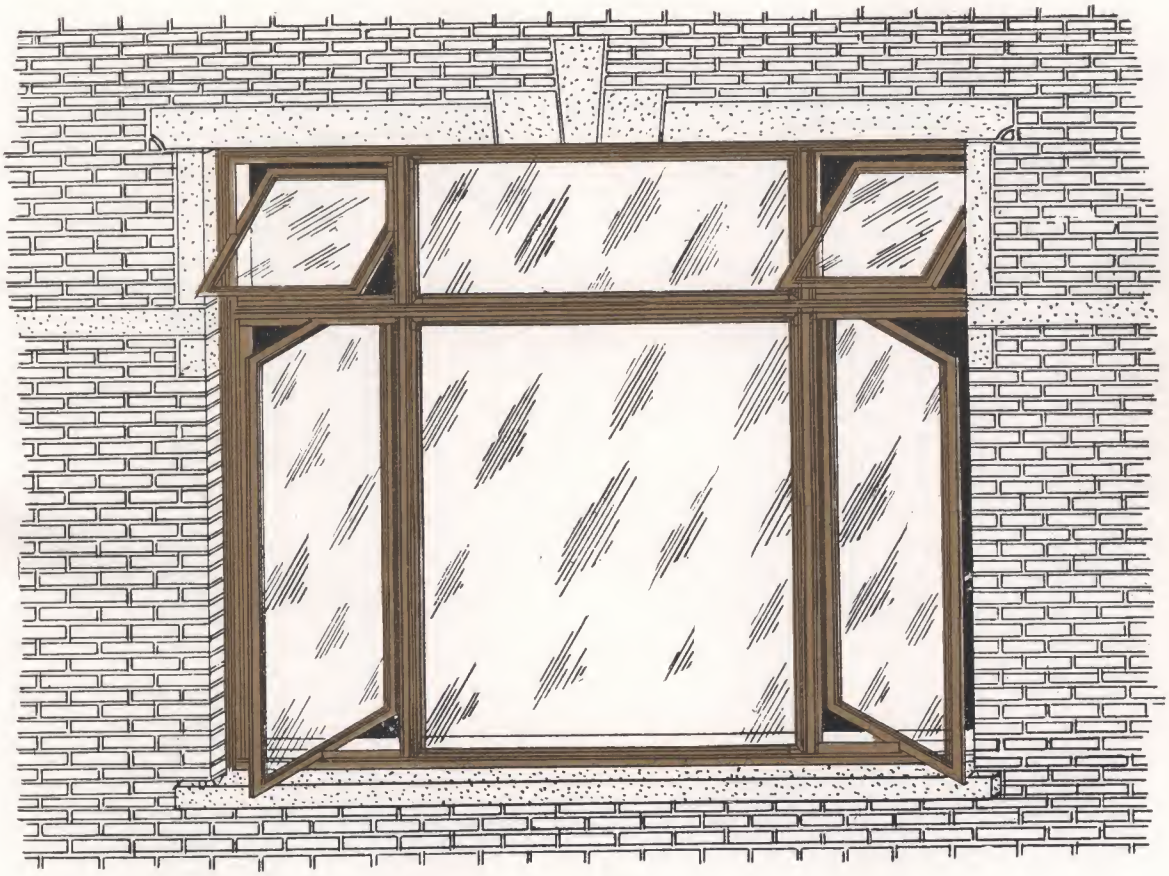
This bar covering is especially designed for use where an extra wide ornamental transom bar is required.

Ventilating Sash for Transoms, Etc.

{ Easyset No. 81 Pivoted Sash—Detailed Below.
{ Easyset No. 80 Hinged Sash.



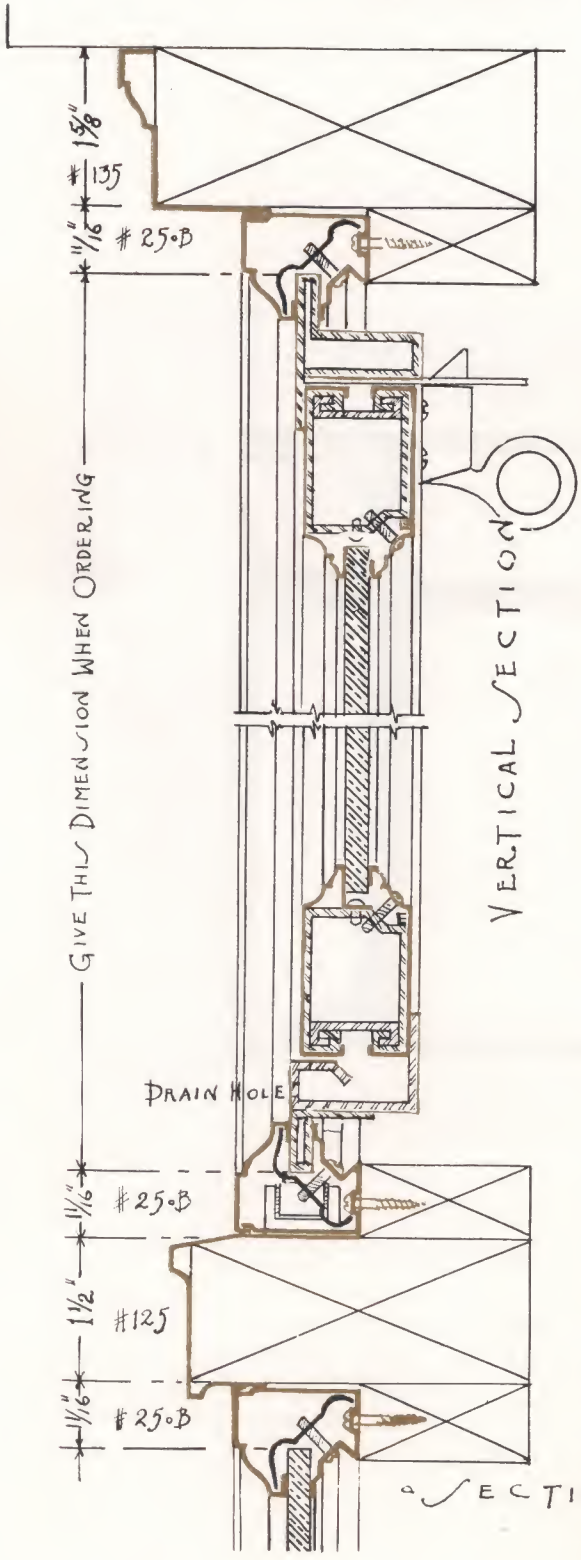
Pivoted Sash



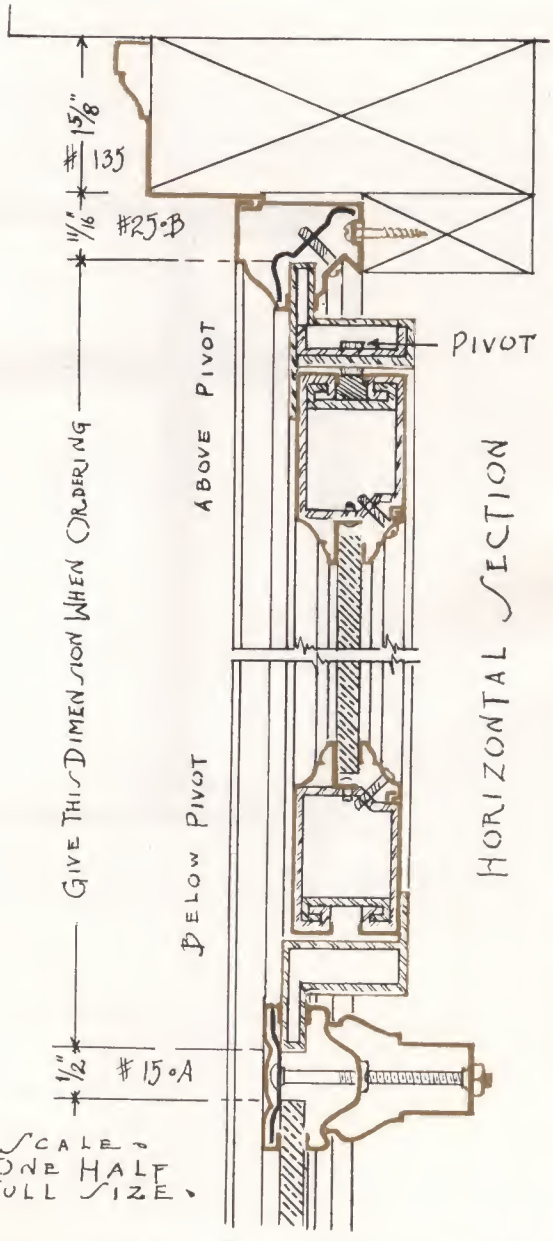
The above shows window fitted with No. 81 metal pivoted ventilating sash.

See detail on opposite page.

Detail of Pivoted Sash



THIS SASH CAN BE MADE PIVOTED ON SIDES OR TOP AND BOTTOM. AND HINGED ON TOP, SIDES OR BOTTOM AS THE CASE MAY BE.

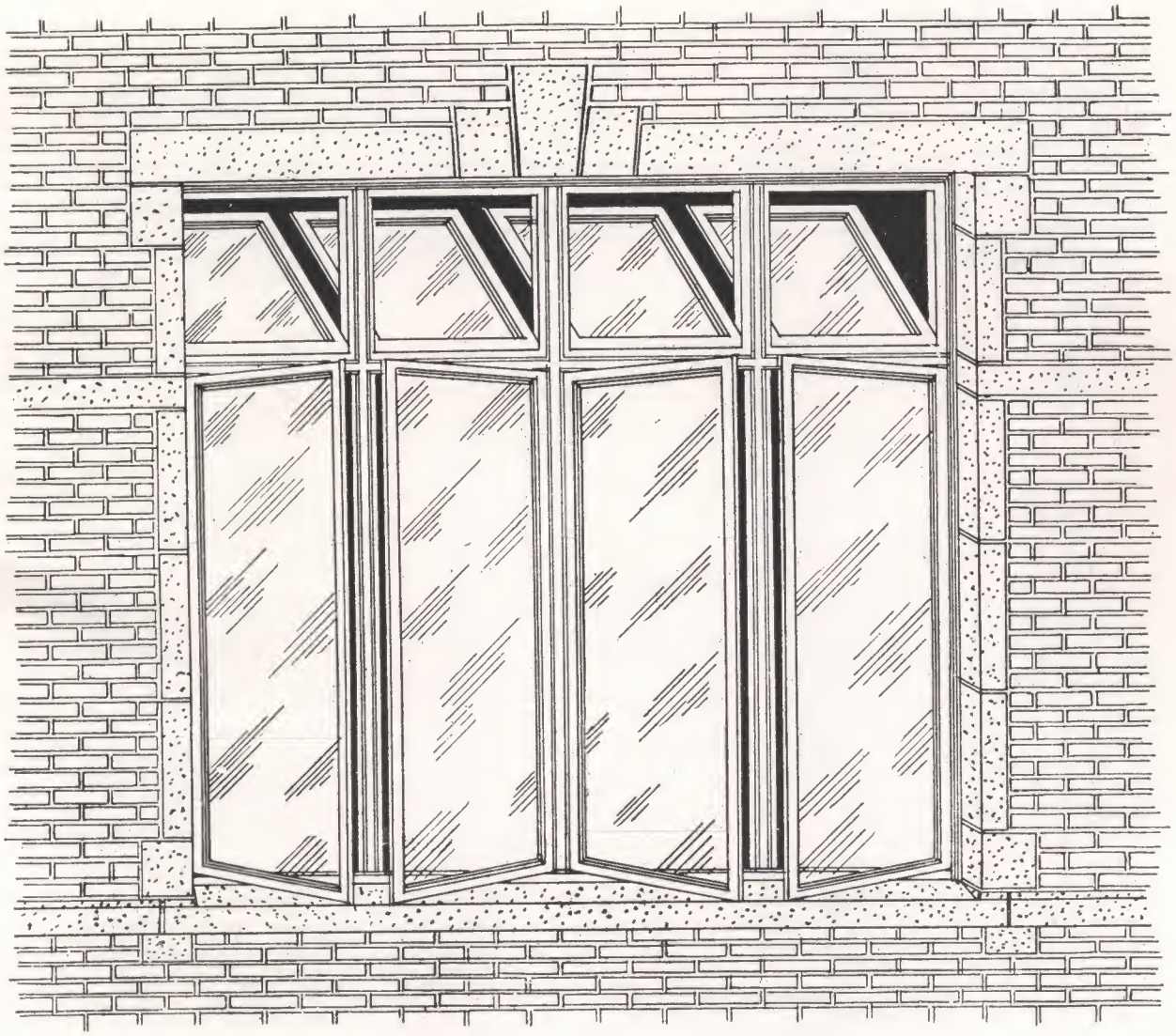


SCALE ONE HALF FULL SIZE.

SECTIONS THRU PIVOTED SASH.

Vertical and Horizontal sections, showing flange required when Easyset No. 80 Hinged or No. 81 Pivoted Sash is to be set in metal sash, corner or division bar.

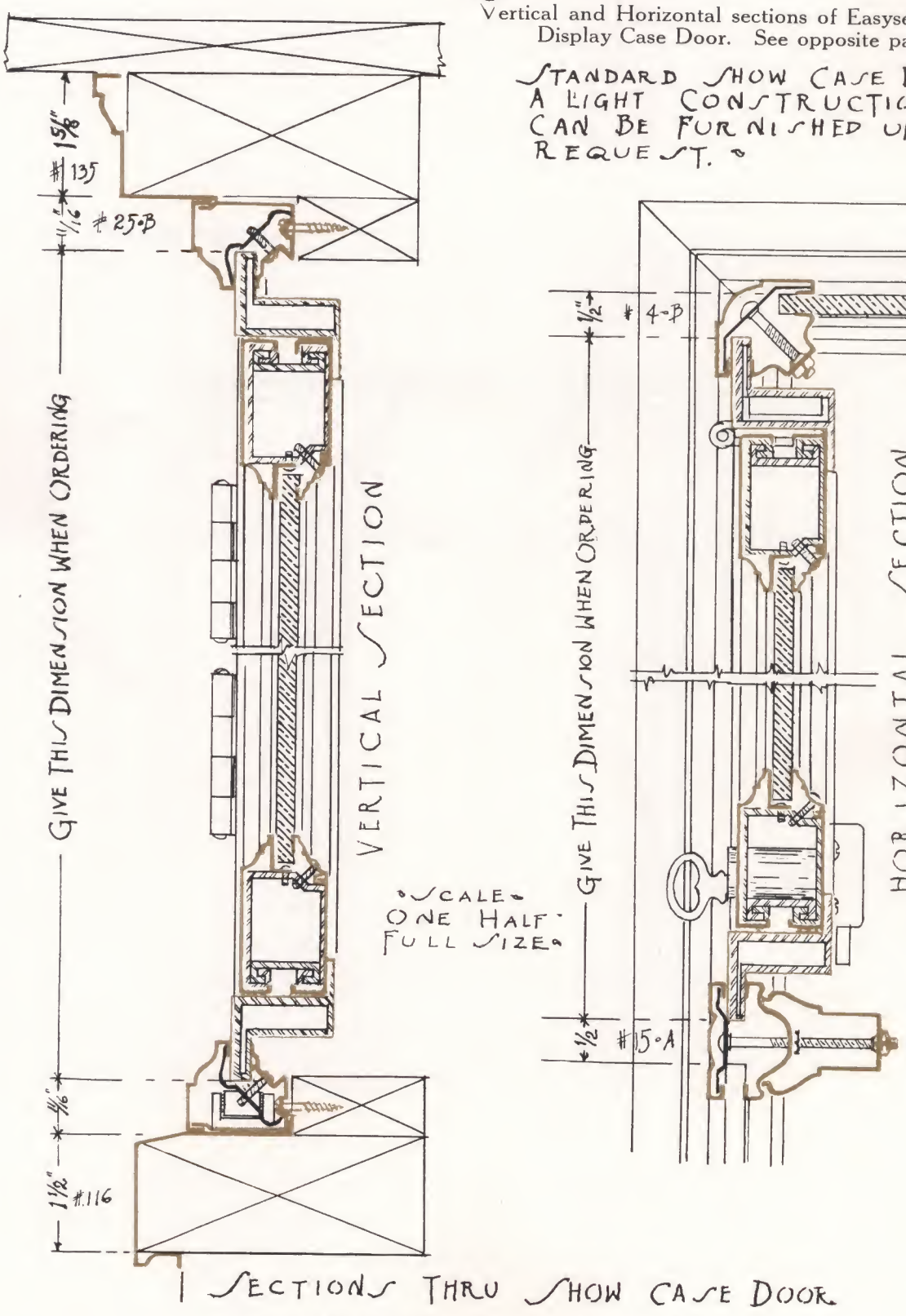
Hinged Sash



The above shows windows fitted with No. 80 metal hinged ventilating sash.

See detail on opposite page.

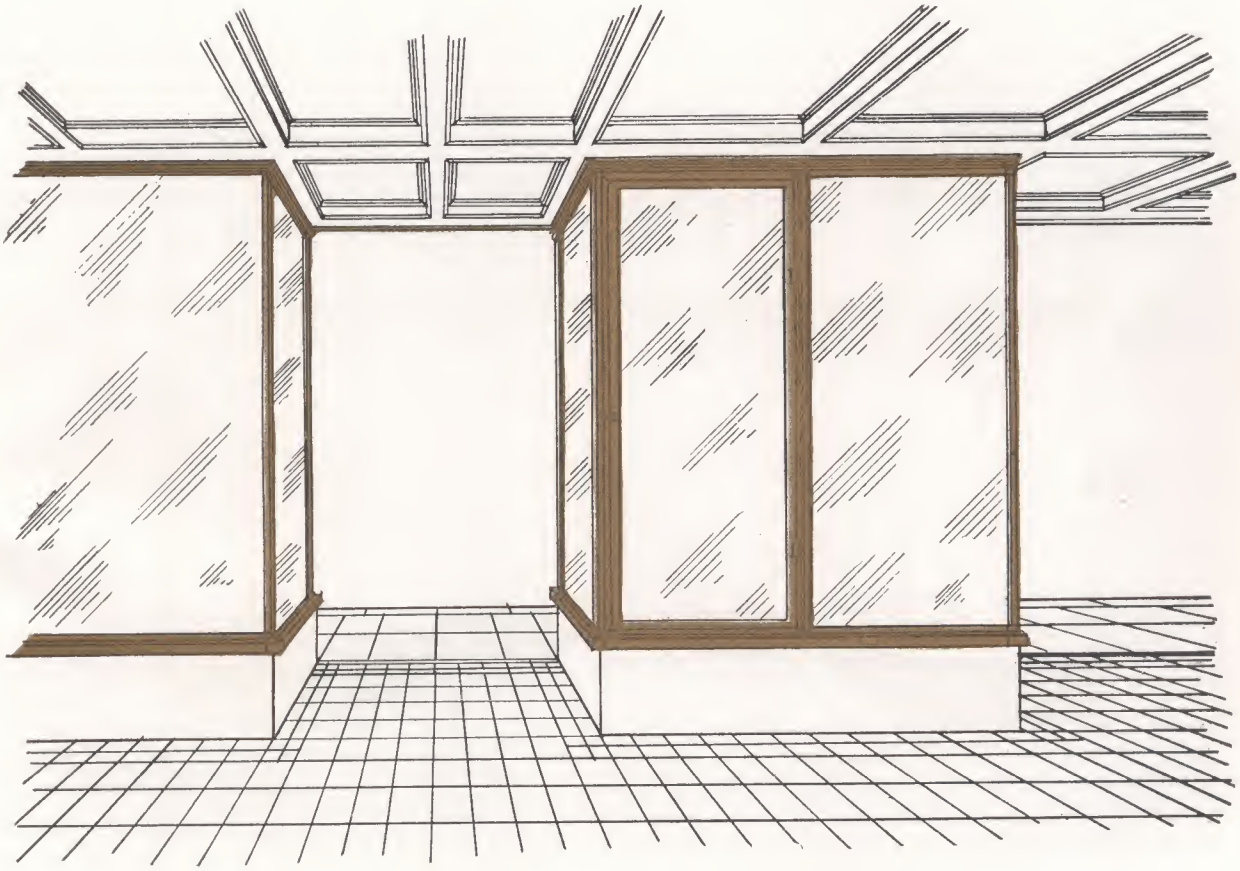
Vertical and Horizontal sections of Easyset No. 82 Display Case Door. See opposite page.



SECTIONS THRU SHOW CASE DOOR

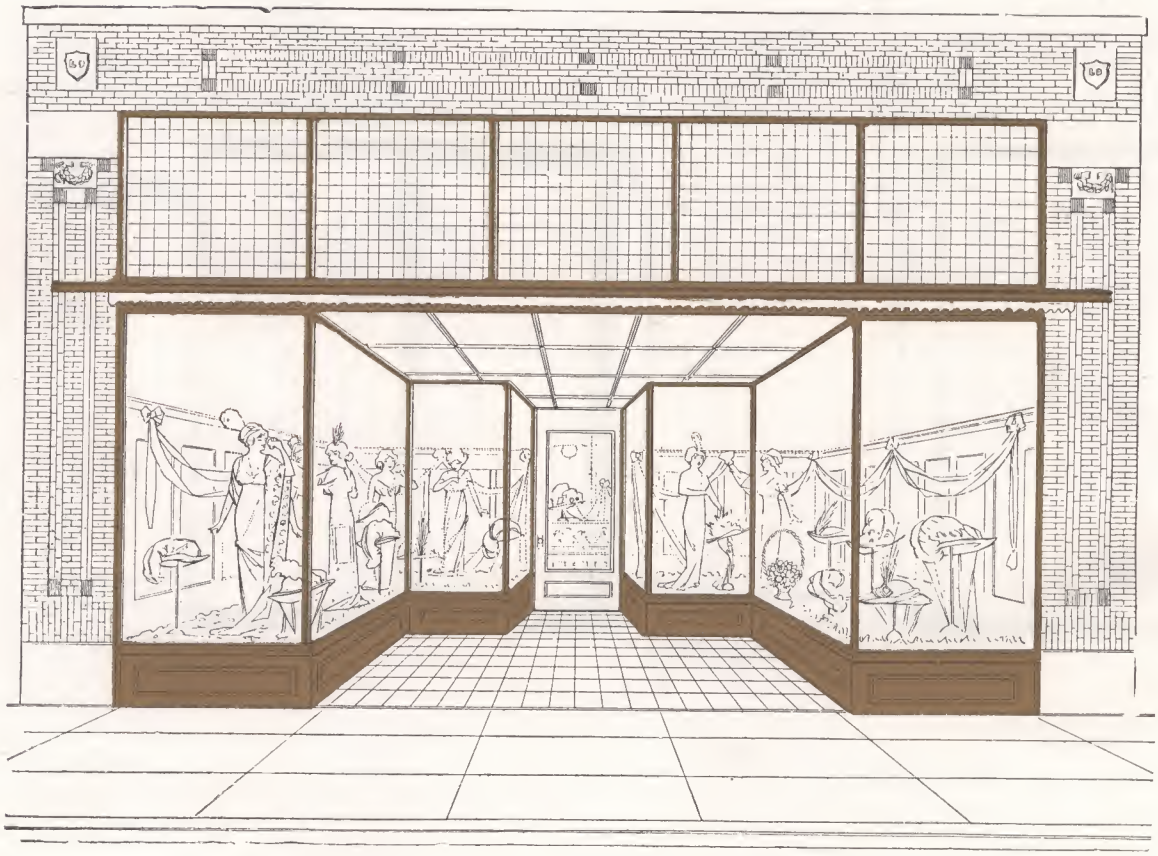
Something entirely new and very practicable.

A Difficult Problem Solved



The above shows display case fitted with No. 82 Easyset Door.

See detail on opposite page.





An EASYSET front recently erected.



Note variety of type and location.



EASYSET is applicable to any style of store front.

Final Argument

WHEN deciding upon the best type of Metal Construction for store front use, careful consideration should be given to a few essential points.

FIRST—Does it contain sufficient strength to carry the weight of large sizes of plate glass and withstand wind pressure?

Our method of reinforcing with galvanized or tin-coated steel all Corner and Division Bars and Metal Sash, answers this question.

We do not depend solely on the outer covering for strength.

SECOND—Are edges of glass free from contact with metal, thus eliminating the danger of breakage?

Note cuts of Easyset Corner Bar on pages 6 and 7. This same method is employed throughout the system.

THIRD—Are there any exposed screw heads in the outside face plates of the metal, to loosen and become unsightly, and to render it difficult to keep clean?

Easyset Metal Sash has the tension screw on the inside of the window.

Our system has other advantages, but these are the important ones.

Write us for further information.

Pittsburgh Plate Glass Co.

HARRISON & SMITH COMPANY
MINNEAPOLIS, MINN.

Pittsburgh Plate Glass Co.

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Ornamental Glass	Corona Insecticides
Skylight Glass	Dry Colors, Sundries

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